

APPROVED

NAVY TRAINING SYSTEM PLAN

FOR THE

AIM-9X

SIDEWINDER MISSILE SYSTEM

N88-NTSP-A-50-9601

MAY 1998

AIM-9X SIDEWINDER MISSILE SYSTEM

EXECUTIVE SUMMARY

This Navy Training System Plan (NTSP) has been developed to identify the life-cycle, manpower, personnel, and training requirements associated with the AIM-9X Sidewinder Missile.

The AIM-9X is being developed as a short-range air-to-air missile with enhanced target acquisition capabilities, using existing AIM-9M Sidewinder Missile components to the fullest extent possible. The mission of the AIM-9X is to detect, home-in, intercept, and destroy enemy aircraft. The AIM-9X acquisition program is currently in the Engineering and Manufacturing Development (E&MD) phase of the Weapon System Acquisition Process.

The maintenance concept for the AIM-9X is based on an overall objective to assure that All-Up-Round (AUR) missiles are available to fulfill commitments of operational activities, and to provide the means to restore unserviceable missiles to serviceable condition with minimum downtime. Maintenance requirements are allocated to three levels of maintenance as defined in the Naval Airborne Weapons Maintenance Program (NAWMP), OPNAVINST 8600.2 series.

The AIM-9X will not alter the operator (pilot) manning requirements at any organizational activity (aircraft squadron). No new skills are required for operation of the AIM-9X. The skills required to operate the AIM-9X are compatible with the skills required to operate the AIM-9M, therefore no new Naval Officer Billet Code, Naval Enlisted Classification (NEC), or Military Occupational Specialty (MOS) will be required.

The AIM-9X will not alter the manning requirements at any organizational- or intermediate-level maintenance activity. No new skills are required for maintenance of the AIM-9X at the organizational- or intermediate-levels of maintenance. The skills required to perform maintenance on the AIM-9X are compatible with existing skills required to perform maintenance on the AIM-9M under the AUR maintenance concept; therefore, no new NECs or MOSs will be required.

Raytheon Missile Systems Company (RMSC) will provide AUR- and component-level maintenance throughout the missile's life cycle. Therefore, the AIM-9X will not alter the manning requirements at organic AUR- and component-level maintenance activities.

Existing operator and maintenance training courses for the AIM-9M will be modified to include AIM-9X information. These modifications will incorporate AIM-9X information into course curricula without changing course lengths or student billets.

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LIST OF ACRONYMS

ABF	Annular Blast Fragmentation
ACMI	Air Combat Maneuvering Instructor
ACTI	Air Combat Tactics Instructor
AFD	Arm and Fire Device
AIMD	Aircraft Intermediate Maintenance Department
ALSP	Acquisition Logistics Support Plan
AMIST	Aviation Maintenance In-Service Training
AMRAAM	Advanced Medium-Range Air-to-Air Missile
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
AOTD	Active Optical Target Detector
ASRAAM	Advanced Short-Range Air-to-Air Missile
AUR	All-Up-Round
AWL	Advanced Weapons Laboratory
BIT	Built-In-Test
CAI	Computer Aided Instruction
CANTRAC	Catalog of Navy Training Courses
CAS	Control Actuation System
CATM	Captive Air Training Missile
CBT	Computer Based Training
CEST	Classroom Explosive Ordnance Disposal System Trainer
CFMRE	Common Field-level Memory Reprogramming Equipment
CIN	Course Identification Number
CITIS	Contractor Integrated Technical Information Service
CMBRE	Common Munitions BIT Reprogramming Equipment
CMC	Commandant of the Marine Corps
CMI	Computer Managed Instruction
CNO	Chief of Naval Operations
COMNAVAIRESFOR	Commander Naval Air Reserve Force
CWTPI	Conventional Weapon Technical Proficiency Inspection
DATM	Dummy Air Training Missile
DEFTACI	Defensive Tactics Instructor
DEM/VAL	Demonstration and Validation
DT/OT	Development Test/Operational Test

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LIST OF ACRONYMS

E&MD	Engineering and Manufacturing Development
EOA	Early Operational Assessment
EOD	Explosive Ordnance Disposal
EODTEU	Explosive Ordnance Disposal Technical Evaluation Unit
ESAD	Electronic Safe and Arm Device
FMS	Foreign Military Sales
FPA	Focal Plane Array
FREST	Fleet Replacement Enlisted Skills Training
FRS	Fleet Replacement Squadron
FY	Fiscal Year
HMSC	Hughes Missile Systems Company
HSIP	Human Systems Integration Plan
ICW	Interactive Courseware
ILSP	Integrated Logistics Support Plan
IR	Infrared
IRCCM	Infrared Counter-Counter Measures
JHMCS	Joint Helmet Mounted Cueing System
JRB	Joint Reserve Base
JSOW	Joint Stand-Off Weapon
LRIP	Low-Rate Initial Production
MALS	Marine Aviation Logistics Squadron
MAP	Munitions Application Program
MATMEP	Marine Aviation Training Management Evaluation Program
MAWTS	Marine Aviation Weapons and Tactics Squadron
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MOS	Military Occupational Specialty
MPT	Manpower, Personnel, and Training
MSD	Material Support Date
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable

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LIST OF ACRONYMS

NAMTRAGRUDET	Naval Air Maintenance Training Group Detachment
NAS	Naval Air Station
NATTC	Naval Air Technical Training Center
NAVAIRSYSCOM	Naval Air Systems Command
NAVSCOLEOD	Navy EOD School
NAVSURFWARCEN	Naval Surface Warfare Center
NAVWPNTSTRON	Naval Weapons Test Squadron
NAWCWD	Naval Air Warfare Center Weapons Division
NAWMP	Naval Airborne Weapons Maintenance Program
NAWMU	Naval Airborne Weapons Maintenance Unit
NCEA	Non-Combat Expenditure Allowance
NEC	Navy Enlisted Classification
NFO	Naval Flight Officer
NS	Naval Station
NSAWC	Naval Strike and Air Warfare Center
NTSP	Navy Training System Plan
NWS	Naval Weapons Station
OATMS	OPNAV Aviation Training Management System
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPTEVFOR	Operational Test and Evaluation Force
OT	Operational Test
PDA	Principal Development Agency
PDM	Program Document Management (system)
PEST	Practical Explosive Ordnance Disposal System Trainer
PMA	Program Manager, Air
RAIMD	Reserve Aircraft Intermediate Maintenance Department
RFT	Ready For Training
RMSC	Raytheon Missile Systems Company
RSP	Render Safe Procedure
SAMP	Single Acquisition Management Plan
SEAM	Sidewinder Expanded Acquisition Mode
SFARP	Strike Fighter Advanced Readiness Program
SFTI	Strike Fighter Tactics Instructor

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LIST OF ACRONYMS

SFTP	Strike Fighter Training Program
SFTS	Strike Fighter Training System
SFWE	Strike Fighter Weapons Employment
SFWS	Strike Fighter Weapons School
SFWSL	Strike Fighter Weapons School, Atlantic
SFWSW	Strike Fighter Weapons School, Pacific
SFWT	Strike Fighter Weapons and Tactics
T&E	Test and Evaluation
TBD	To Be Determined
TD	Training Device
TECHEVAL	Technical Evaluation
USMC	United States Marine Corps
USN	United States Navy
VFA	Fighter Attack Squadron
VMAT	Marine Attack Training Squadron
VMFAT	Marine Fighter Attack Training Squadron
VX	Fleet Test and Evaluation Squadron
WG	Wage Grade
WSO	Weapon and Sensor Officer
WST	Weapons Systems Trainer
WTI	Weapons and Tactics Instructor
WTT	Weapons Tactics Trainer

AIM-9X SIDEWINDER MISSILE SYSTEM

PREFACE

This Approved Navy Training System Plan (NTSP) for the AIM-9X Sidewinder Missile has been updated to comply with guidelines set forth in the Navy Training Requirements Documentation Manual. This NTSP incorporates Chief of Naval Operations (OPNAV), Naval Air System Command (NAVAIRSYSCOM) and Fleet comments on the AIM-9X Sidewinder Missile System Draft NTSP of January 1997.

The major changes and updates to this NTSP consist of:

- PART I** This part shows the deletion of outdated information; incorporation of changes to formal training; updated Training Device allocation listings; identification of “A” School Core and Strand training; “C” School Initial and Career training; deletion and relocation of training sites due to decisions made by the Base Realignment Commission; and the impacts of Marine Corps Military Occupational Specialty consolidations.
- PART II** This part has been recalculated to depict current billet requirements of fleet support units through Fiscal Year (FY) 02.
- PART III** In addition to reflecting the changes mentioned above, this part has been recalculated to depict chargeable student billets through FY02.
- PART IV** This part has been updated to reflect changes in training and training logistics support requirements.
- PART V** This part has been updated to include major milestones.
- PART VI** This part has been updated to include open action/watch items.
- PART VII** This part has been updated to reflect current Points of Contact.

PART I - TECHNICAL PROGRAM DATA

A. TITLE-NOMENCLATURE-PROGRAM

- 1. Title-Nomenclature-Acronym.** Sidewinder Missile System - AIM-9X - None.
- 2. Program Element.** 0603715D

B. SECURITY CLASSIFICATION

- 1. System Characteristics** Secret
- 2. Capabilities**..... Secret
- 3. Functions** Confidential
- 4. Navy Training System Plan** Unclassified

C. NTSP PRINCIPALS

- OPNAV Principal Official (OPO) Program Sponsor CNO (N88)
- OPO Resource Sponsor..... CNO (N880C7)
- Marine Corps Program Sponsor CMC (ASL-30)
- Developing Agency PEO(T) (PMA259)
- Training Agency..... CINCLANTFLT
CINCPACFLT
CNET
COMNAVAIRRESFOR
MCCDC
NSAWC
- Training Support Agency NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor..... CNO (N1)
BUPERS (PERS-4, -22)
- Director of Naval Training CNO (N7)
- Marine Corps Combat Development Command (MCCDC)
- Manpower Management TFS Division
- Chief of Naval PersonnelBUPERS (PERS-4, -40)
- Commander, Reserve Program Manager..... COMNAVAIRESFOR

D. SYSTEM DESCRIPTION

1. Operational Uses. The AIM-9X Sidewinder Missile, hereafter referred to as the AIM-9X, is a supersonic, short-range, air-to-air missile with enhanced target acquisition capabilities. The AIM-9X will be flown on active duty and Reserve Navy and Marine Corps fighter and attack aircraft, in both offensive and defensive counter-air missions as a highly maneuverable, launch and leave missile with passive infrared (IR) guidance. It will provide full day and night capability, resistance to countermeasures, increased off-boresight acquisition and launch capability, increased maneuverability, and improved target acquisition over the current inventory AIM-9M. Currently designed for deployment by tactical commands in the Navy, Marine Corps and Air Force on the F/A-18C/D and F-15C/D aircraft, the AIM-9X is also backward compatible to aircraft/launchers only capable of AIM-9M analog communication. For analog interfaces, the AIM-9X operates, and is identified, as an AIM-9M. This backward compatibility includes the analog seeker slave mode.

2. Foreign Military Sales. The AIM-9X program is a joint United States Navy (USN) and United States Air Force procurement, with the USN designated as the lead service. Other versions of the AIM-9 (series) Sidewinder have been the subject of Foreign Military Sales (FMS) activity. An AIM-9X International Sales Strategy is currently under development.

E. DEVELOPMENTAL TEST (DT) AND OPERATIONAL TEST (OT).

1. DT and OT Not Completed. The AIM-9X Test and Evaluation (T&E) program is progressing during the current Engineering and Manufacturing Development (E&MD) phase. The AIM-9X T&E program will begin the DT-IIB phase in June 1998, and continue with DT-IIC, DT-IID Technical Evaluation (TECHEVAL), DT Assist, OT-IIA Operational Assessment, and OT-IIB Operational Evaluation (OPEVAL), using the F/A-18C/D aircraft to assess and verify operational effectiveness, supportability, and suitability of the AIM-9X missile for fleet introduction. TECHEVAL will be performed in FY00 by the Sidewinder Program Office using the F/A-18 Advanced Weapons Laboratory (AWL) and the Naval Weapons Test Squadron (NAVWPNTSTRON) at the Naval Air Warfare Center Weapons Division (NAWCWD), China Lake, California. OPEVAL will be performed in FY01 by the Operational Test and Evaluation Force (OPTEVFOR) using Fleet T&E Squadron VX-9 under actual fleet conditions. Schedules for follow-on integration with other aircraft (F/A-18E/F, F-14B Upgrade, F-14D, AV-8BC1, and AH-1W) have not yet been developed.

2. DT Completed. During the AIM-9X Demonstration and Validation Phase (DEM/VAL), the Government conducted an Early Operational Assessment (EOA) of the BOXOFFICE airframe. Wind tunnel tests were performed, and 14 firings conducted. Additionally, the Government performed an EOA on the Advanced Short Range Air-to-Air Missile (ASRAAM) as part of a mandatory Foreign Comparative Test requirement. As part of the two-contract

DEM/VAL and DT-I, contractors conducted laboratory demonstrations, and ground-to-air and captive carry flight tests using seeker hardware and trade studies. Laboratory demonstrations concentrated on detector/non-uniformity compensation, cooling and gimbal/platform stabilization. Ground-to-air and captive carry tests concentrated on signal processing, which gave each contractor an opportunity to mature algorithms and hardware, and make improvements in Infrared Counter-Counter Measures (IRCCM) and acquisition performance in an iterative series of test events. In January 1997, the E&MD contract was awarded to Hughes Missile System Company (HMSC), which has since become Raytheon Missile System Company (RMSC). In May 1997, the first flight of the DT-IIA phase was flown, which was a captive carry flight to perform a system checkout. DT-IIA captive carry flights have continued through the present. The DT-IIB phase is scheduled to begin June 1998.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. RMSC's AIM-9X design uses the existing AIM-9M rocket motor (MK36 MOD 11), warhead (WAU-17/B), and Active Optical Target Detector (AOTD) (DSU-15A/B and DSU-15B/B). These components are being supplied by the Government to RMSC during the E&MD phase to build prototypical AIM-9X configurations. Because of the AIM-9X production schedule and existing AIM-9M inventory, however, the AIM-9X will not outright replace the AIM-9M.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The AIM-9X is a supersonic, air-to-air, guided missile which employs a passive IR target acquisition system, proportional navigational guidance, a closed-loop position servo Control Actuation Section (CAS), and an AOTD. The AIM-9X is launched from an aircraft after target detection to home in on IR emissions and to intercept and destroy enemy aircraft. The missile interfaces with the aircraft through the missile launcher using a forward umbilical cable, a mid-body umbilical connector and three missile hangars. The AIM-9X has three basic phases of operation: captive flight, launch, and free flight.

The AIM-9X utilizes the existing AIM-9M AOTD, warhead, and rocket motor, but incorporates a new Guidance Section (GS), new hangars, a new mid-body connector, new harness and harness cover, new titanium wings and fins, and a new CAS. The missile is propelled by the AIM-9M solid-propellant rocket motor, but uses a new Arm and Fire Device (AFD) handle design. Also, the AIM-9M rocket motor is modified to mount the CAS on its aft end. Aerodynamic lift and stability for the missile are provided by four forward-mounted, fixed titanium wings. Airframe maneuvering is accomplished by four titanium control fins mounted in line with the fixed wings and activated by the CAS, which includes a thrust vector control system that uses four jet vanes to direct the flow of the rocket motor exhaust. The AIM-9X is configured with the AIM-9M Annular Blast Fragmentation (ABF) warhead, which incorporates a new Electronic Safe and Arm Device (ESAD) to arm the warhead after launch. The AIM-9M

AOTD is used to detect the presence of a target at distances out to the maximum effective range of the missile warhead and command detonation.

a. Guidance Section. The GS provides the missile tracking, guidance, and control signals. It consists of three major subassemblies: (1) a mid-wave IR Focal Plane Array (FPA) seeker assembly for detecting the target, (2) an electronics unit that converts the detected target information to tracking and guidance command signals, and (3) a center section containing the cryoengine, contact fuze device, two thermal batteries, and required harnesses and connectors. The coolant supply for the GS is provided by the twin-opposed-piston, linear drive, Stirling cryoengine.

b. Forward Hanger/Mid-body Umbilical Connector and Buffer Connector. The hangers on the AIM-9M rocket motor are replaced by slightly "taller" hangers for AIM-9X. These taller hangers provide additional separation between the missile and the launcher. This separation is needed to provide adequate clearance for the AIM-9X on all the launcher configurations. The middle and aft hanger mounting is unchanged from the AIM-9M configuration. The forward hanger is replaced by an integrated forward hanger/mid-body umbilical assembly. The mid-body umbilical connector adds a mid-body interface with the LAU-127 launcher. This connection provides the missile MIL-STD-1553 digital communications with the launching aircraft, and requires a buffer connector similar to the Advanced Medium-Range Air-to-Air Missile (AMRAAM) buffer connector. The forward hanger/mid-body umbilical assembly is an integrated assembly that consists of the hanger, the mid-body umbilical connector, the umbilical cabling, and the rocket motor AFD wiring to the hanger striker points. The rocket motor AFD wiring is unchanged from that used in the AIM-9M and will interface with the striker points as in the AIM-9M configuration.

c. Harness and Harness Cover. Unlike the AIM-9M, an electronic harness has been added to the AIM-9X to provide the communications interface between the electronics unit in the GS and the other missile components. Due to the lack of space internally, the harness had to be mounted externally on the underside of the missile surface. The harness cover spans most of the length of the missile and provides an aerodynamic surface and protective cover for the electronic harness and the CAS electronic circuit board.

2. Physical Description. The physical characteristics of the AIM-9X are not finalized, but should be similar to existing AIM-9 series missiles. Approximate physical characteristics of the AIM-9X are as follows:

Length :	119 inches
Weight:	188 pounds
Body Diameter:	5 inches
Fin Span:	17.5 inches

3. New Development Introduction. Fleet introduction of the AIM-9X missile is planned to begin in FY02 via aircraft carrier load outs. Low-Rate Initial Production (LRIP) All-Up-Round (AUR) missile deliveries begin in FY01 and continue through FY04, when Full-Rate Production deliveries begin.

4. Significant Interfaces.

a. Aircraft. The AIM-9X is required to be compatible, at full capability, with the F/A-18C/D/E/F, F-15C/D/E, F-16C/D, and F-22 aircraft, and be capable of being used in a reduced capacity on other aircraft with MIL-STD-1760 signal set capability (F-14B Upgrade, F-14D, AV-8B, and AH-1W). The AIM-9X is also backward compatible to aircraft/launchers only capable of AIM-9M analog communication. For analog interfaces, the AIM-9X operates, and is identified, as an AIM-9M. This backward compatibility includes the analog seeker slave mode.

The AIM-9X will be integrated with the Joint Helmet Mounted Cueing System (JHMCS), a helmet-mounted display with capability to cue and verify cueing of high off-boresight sensors and weapons. This missile-helmet marriage will provide the aircrew with first-look, first-shot capability in the air-to-air, within visual range, combat arena. Increased off-boresight acquisition angle and improved situational awareness will be achieved through the integrated combination of the AIM-9X missile, the JHMCS and the aircraft.

b. Launchers. For the USN and United States Marine Corps (USMC), two guided missile launchers are available to carry and launch the AIM-9X on the F/A-18 aircraft. The LAU-7 guided missile launcher can be used on all applicable Sidewinder weapons stations, however, it requires modification of the current power supply and the addition of digital and addressing lines to the forward umbilical to carry and launch the AIM-9X. With these modifications, it will be designated the LAU-7D/A. The LAU-127 guided missile launcher can be used on the F/A-18 aircraft wing stations only. F/A-18 aircraft wing stations require a LAU-115 guided missile launcher in order to attach the LAU-127.

5. New Features, Configurations, or Material. The AIM-9X will utilize mid-wave IR FPA seeker technology in lieu of the single-element IR seeker used in the AIM-9M. The AIM-9X will be a digital missile with Built-In-Test (BIT) and re-programming capability that is not present in the the analog AIM-9M. A buffer connector must be used on the mid-body umbilical connector when the AIM-9X is loaded on the LAU-127 launcher. The AIM-9X will use an internal cryogenic engine, called a cryoengine, for IR element cooling. The cryoengine does not require externally-supplied coolant, e.g., nitrogen, and thus does not use the nitrogen receiver assemblies contained in the LAU-7 and LAU-127 launchers, which provide IR element coolant for the AIM-9M. The AIM-9X will use titanium wings and fins. Also, the AIM-9X will use a CAS to direct movement of the aft fins and four internal jet vanes. The jet vanes direct the flow of the rocket motor exhaust to generate thrust vector control.

H. CONCEPTS

1. Operational Concept. The AIM-9X will be employed by aircrew personnel during air-to-air combat missions against short-range threat aircraft. The AIM-9X will be integrated initially with the F/A-18C/D aircraft for USN and USMC operations, and thus, will be stowed on deployed USN aircraft carriers. Follow-on integration with the F/A-18E/F, F-14B Upgrade, F-14D, AV-8BC1, and AH-1H aircraft are possible during the AIM-9X Production, Fielding/Deployment, and Operational Support phase.

The AIM-9X seeks and homes in on IR energy emitted by the target. When an IR-emitting source enters the seeker field of view, an audio signal is generated by the electronics unit. The pilot hears the signal through the headset, indicating that the AIM-9X has acquired a potential target. One method of cueing the AIM-9X to the target's IR energy source is referred to as boresight, whereby the missile is physically pointed toward the target via the pilot maneuvering the aircraft. The IR energy gathered by the missile seeker is converted to electronic signals that enable the missile to acquire and track the target up to its seeker gimbal limits. A second method of cueing the AIM-9X to the target's IR energy is the Sidewinder Expanded Acquisition Mode (SEAM). SEAM slaves the AIM-9X seeker to the aircraft radar. The aircraft avionics system can slave the missile seeker up to a given number of degrees from the missile/aircraft boresight axis. The missile seeker is slaved until an audible signal indicates seeker target acquisition. Upon target acquisition, a seeker interlock in the missile is released (uncaged) and the missile seeker begins tracking the target. The AIM-9X seeker will then continue to track the target. A third method for cueing the AIM-9X to the target's IR energy is through use of the JHMCS. This method allows the pilot to cue the AIM-9X seeker to high off-boresight targets via helmet movement. The pilot can launch the AIM-9X anytime after receipt of the appropriate audible signal.

2. Maintenance Concept. The maintenance concept for the AIM-9X is based on an overall objective to assure that AUR missiles are available to fulfill commitments of operational activities, and to provide the means to restore unserviceable missiles to serviceable condition with minimum downtime. Maintenance requirements are allocated to three levels of maintenance as defined in the Naval Airborne Weapons Maintenance Program, OPNAVINST 8600.2 series. Maintenance for the AIM-9X is based on an AUR missile maintenance model, where organizational- and intermediate-level maintenance activities forward failed AUR missiles and Captive Air Training Missiles (CATMs) to RMSC for repair.

a. Organizational-level. Organizational-level maintenance for air-launched weapons is performed by Work Center 230 personnel with the Aviation Ordnanceman (AO) rating. AOs with Navy Enlisted Classification (NEC) 8342 and 8842 and USMC Aviation Ordnance personnel with Military Occupational Specialty (MOS) 6531 perform organizational-level maintenance for

air-launched weapons on the F/A-18 aircraft. AIM-9X organizational-level maintenance consists of performing:

- Missile BIT checks via aircraft avionics
- Visual inspection for damage and corrosion
- Visual inspection of missile launcher assembly interface
- Cleaning of external surface and corrosion control
- Aircraft Weapons Control System Check
- Uploading and downloading on aircraft
- Return launcher to Aircraft Intermediate Maintenance Department (AIMD) or Marine Aviation Logistics Squadron (MALS)
- Remove and install protective devices

b. Intermediate-level. AIM-9X intermediate-level maintenance will be accomplished ashore at Naval Air Stations (NAS) and Marine Corps Air Stations (MCAS), and afloat on USN aircraft carriers (CV/CVN) by Weapons Department personnel. Intermediate-level maintenance for air-launched weapons is performed by USN AOs with NEC 6801 and USMC AOs with MOS 6541. AIM-9X intermediate-level maintenance consists of:

- Unpacking and packing AUR missiles
- Performing visual inspections
- Storing and handling AUR missiles using support equipment
- Cleaning and corrosion control of AUR missiles
- Preservation and painting
- Repairing and replacing specified consumable parts

Because of current shipboard restrictions for applying power and other electrical connections to tactical missiles, AIM-9X missile reprogramming is planned to be accomplished at shore activities. Naval Weapons Stations (NWS) are planned to fulfill this function using the Common Munitions BIT Reprogramming Equipment (CMBRE), which is used for BIT and reprogramming of Joint Direct Attack Munitions (JDAM) and Joint Stand-Off Weapon (JSOW) assets. Recent approval for shipboard use of the Common Field-level Memory Reprogramming Equipment (CFMRE) used to reprogram AMRAAM, however, strongly suggests that AIM-9X reprogramming tasks will migrate to the intermediate-level maintenance activities, both ashore and afloat. CFMRE is very similar to CMBRE in both function and appearance.

c. Depot. RMSC will be responsible for depot-level maintenance, both AUR- and component-level, for the life of the system. This maintenance will be accomplished through an

AUR missile warranty and a repair contract for out-of-warranty AUR missiles. The AUR missile warranty includes AIM-9X CATMs.

d. Interim Maintenance. Interim supply support will be provided by RMSC until the Material Support Date (MSD), when organic supply support capability is established.

e. Life-Cycle Maintenance Plan. RMSC will be responsible for AUR- and component-level life-cycle maintenance.

3. Manning Concept. The AIM-9X has no impact on existing manpower requirements at organizational-, intermediate-, or depot-level activities. Pilot and Weapon and Sensor Operator (WSO) manpower is driven by seat factor and crew ratio. Enlisted manning for USN and USMC fleet squadrons, Fleet Replacement Squadrons (FRS), and intermediate maintenance activities is based on the total assigned workload, not only on specific AIM-9X requirements. Skills required to support the AIM-9X are considered to be within the capability of existing NECs and MOSs. Refer to Part II for existing USN and USMC intermediate maintenance manpower requirements.

Peacetime manpower requirements for AIM-9X organizational- and intermediate-level maintenance activities can be found in the Manpower Estimate Report, serial number 6T710-1/7227. Manpower requirements for AIM-9X were based on the number of CATM-9M presentations per year for a typical F/A-18 squadron (future CATM-9X presentation requirements were assumed to be consistent with present CATM-9M presentation requirements). The Navy Training and Readiness Matrix requires 1137 CATM-9M presentations per F/A-18 squadron per year, which is based on 17 pilots per F/A-18 squadron, each pilot requiring 67 CATM-9M presentations per year. A worst case of one CATM-9X presentation per sortie was used, resulting in 1137 expected unpacking, upload, captive carry, download, and packing cycles per year for squadrons outfitted with CATM-9X. A squadron was considered minimally-outfitted when it had received four CATM-9X, and normally-outfitted when it had received eight to ten CATM-9X. Marine Corps requirements were treated similarly.

a. Organizational-level Maintenance. Five AOs will be required to load the AIM-9X and the CATM-9X. Using the 1137 loading-downloading cycles per year and the anticipated AIM-9X checklists for inspection and loading, a minimum of five USN AOs with NEC 8342s or five USMC AOs with MOS 6531s (one load crew) per squadron are required during peacetime operations, even though approximately only half of their workload will be driven by CATM-9X presentations.

b. Intermediate-level Maintenance. Three AOs will be required to unpack the AIM-9X and the CATM-9X. Using the 1137 packing-unpacking cycles per year and the anticipated AIM-9X checklists for unpacking, inspecting, launch kit assembly and disassembly, and packing, a minimum of three USN AOs with NEC 6801 per Weapons Department or three USMC AOs with

MOS 6541 per MALS are required during peacetime operations, even though only a portion of their workload will be driven by AIM-9X.

c. NWS Maintenance Support. At the NWS, three Government Civil Service employees classified Wage Grade (WG) 6641, Ordnance Equipment Mechanic, are required to perform missile BIT and reprogramming functions on each container storing four AIM-9Xs. These functions include moving missile containers in and out of missile magazines and associated administrative paperwork. A minimum of three employees classified WG-6641 are required during peacetime operations, even though only a portion of their workload will be driven by AIM-9X.

d. Depot-level Maintenance. Depot-level maintenance, both AUR and component repair, will be the responsibility of RMSC. This maintenance will be supported through RMSC warranty and repair contracts for out-of-warranty missiles. The RMSC will be responsible for establishing internal manpower levels for AIM-9X repair.

4. Training Concept. The AIM-9X training concept is divided into operator and maintenance training. Operator training is provided for F/A-18 pilot and WSO personnel. The AIM-9X maintenance training concept is divided into organizational- and intermediate-levels based on OPNAVINST 4790.2 series and OPNAVINST 8600.2 series. Organizational-level maintenance training is provided to AO personnel in the F/A-18 community with NECs 8342 and 8842 and MOS 6531. Intermediate-level training is provided to AO maintenance personnel with NECs 6801 and MOS 6541.

Recently, Navy "A" Schools (Initial Skills) and "C" Schools (Aircraft/Systems) have implemented a Just-in-Time Training Continuum concept. For the "A" Schools, this new concept divides source rating courses into core and strand segments. Core courses include general knowledge and skills training for the particular rating, while strand courses focus on more specialized training requirements for that rating specific to an aircraft, system, or maintenance activity. To obtain the AO source rating, all students must take the AO core course and either the AO Airwing strand course or the AO Weapons Department strand course. For the "C" Schools, this new concept establishes initial or component NECs and career or primary NECs and curricula to support them. Upon graduation from "A" School, graduates attend appropriate "C" School initial organizational-level or intermediate-level maintenance courses, then upon completion are assigned an initial (component) NEC and detailed to a Fleet unit for active duty. Following their first tour and upon re-enlistment, Petty Officers Second Class (E-5) and higher return to "C" Schools to attend career organizational- or intermediate-level courses. Upon completion of the career courses, graduates are assigned their primary NEC.

a. Initial Training. RMSC will provide training to NAVWPNTSTRON, VX-9, and NAWCWD personnel prior to the start of DT-IIB, OT-IIA, and OT-IIB. Training will include

instruction and practice for aircrew, organizational-level maintenance, intermediate-level maintenance, and BIT/Reprogramming tasks using CMBRE. Course lengths and content are To Be Determined (TBD). RMSC will provide Explosive Ordnance Disposal (EOD) data to the Navy EOD Technology Division, Stump Neck, Maryland so that they may develop Render Safe Procedures (RSPs) for the AIM-9X. The RSPs will be used at Navy EOD School (NAVSCOLEOD) and EOD Technical Training Unit (EODTEUs) to train EOD technicians.

NAWCWD personnel will use (and modify) T&E training curricula, training aids, and Training Devices (TDs) to provide initial operator, organizational- and intermediate-level training to USN and USMC instructors six months prior to Initial Operating Capability. These USN and USMC instructors will retain the training curricula, training aids, and TDs and incorporate AIM-9X information into existing follow-on courses. Currently, the locations anticipated for initial training to be conducted are:

- Naval Strike and Air Warfare Center (NSAWC), NAS Fallon, Nevada
- Strike Fighter Weapons School, Atlantic (SFWSL), NAS Cecil Field, Florida
- Fighter Attack Squadron (VFA)-106, NAS Cecil Field, Florida (training package only)
- Strike Fighter Weapons School, Pacific (SFWSP), NAS Lemoore, California
- VFA-125, NAS Lemoore, California (training package only)
- Marine Aviation Weapons and Tactics Squadron One (MAWTS-1), MCAS Yuma, Arizona (training package only)
- Marine Fighter Attack Training Squadron (VFMAT)-101, MCAS Miramar, California
- Maintenance Training Unit (MTU) 1038 Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET) Lemoore, California
- MTU 1039 NAMTRAGRUDET Cecil Field, Florida
- MTU 4030 NAMTRAGRU DET Mayport, Florida
- MTU 4032 NAMTRAGRU DET Norfolk, Virginia
- MTU 4033 NAMTRAGRU DET North Island, California
- MTU 4034 NAMTRAGRU DET Cherry Point, North Carolina (Marine Attack Training Squadron (VMAT)-203 Fleet Replacement Enlisted Skills Training (FREST))
- MTU 4035 NAMTRAGRU DET Whidbey Island
- AO "A" School Class A1, NAS Pensacola, Florida
- Naval Airborne Weapons Maintenance Unit (NAWMU) One, Guam

b. Follow-on Training. Training for existing AIM-9M missiles is in place. Operator (aircrew), organizational-level, and intermediate-level maintenance training courses which contain AIM-9M Sidewinder Missile information will be updated following initial training to include information pertaining to the AIM-9X. Follow-on training for the AIM-9X will be available as part of courses taught at the FRS, MTUs, NSAWC, and Strike Fighter Weapons Schools (SFWS). The AIM-9X will cause no change in student throughput or chargeable student billets. Follow-on training courses will be modified to include the AIM-9X.

(1) Operator Training. Pilots and WSOs are trained at the appropriate FRS for specific aircraft operation and weapons. Pilot and WSO skills in tactics and ordnance delivery are further enhanced at the SFWS, NSAWC, and through on-board proficiency training.

(a) TDs. The TDs required for follow-on and proficiency operator training include the Weapon Tactics Trainer (WTT), TD number 2E7, and the CATM-9X. Also, AIM-9X assets are required for live-fire exercises, which are part of the annual Non-Combat Expenditure Allowance (NCEA).

- **Weapons Tactics Trainer, 2E7.** The WTT is a computer-based weapon system training device developed for use by F/A-18C/D aircrews, which is commonly referred to as the “dome trainer”. The WTT provides familiarization in F/A-18 operational procedures and all F/A-18 approved stores and missiles, as well as proficiency training in launch and control techniques.

- **Captive Air Training Missile, CATM-9X.** The CATM-9X is an inert, captive flight device permitting realistic exercise of the AIM-9X seeker. Airborne operation of the CATM-9X provides the operator all interaction between aircraft and missile without expending the missile. For detailed information on CATM-9X refer to element IV.A.2.

(b) Training Aids. The AIM-9X Interactive Courseware (ICW) will be a component of the Strike Fighter Weapons and Tactics (SFWT) curricula, and will be hosted on the Strike Fighter Training System (SFTS). SFWT and SFTS are two of three components of NSAWC’s Strike Fighter Training Program (SFTP), which is primarily targeted at providing post-FRS training to Strike Fighter aircrew. The SFTS will be a high-speed, wide area network, linking schools and squadrons together with standardized, Computer-Based Training (CBT) and ICW. Strike Fighter Tactics Instructors (SFTIs), the third component of the SFTP, will be trained by NSAWC N7 (Topgun) and will administer the SFWT curricula within the squadrons. AIM-9X ICW will be developed for the SFTS by NSAWC and NAVAIRSYSCOM PMA205 and PMA259, and is anticipated for release in FY02-03. For detailed information on AIM-9X ICW (training aid) refer to element IV.B.2.

(c) **Courses.** The following table lists the applicable operator training courses. The AIM-9X source material will be incorporated in these courses with minimal impact. The AIM-9X will cause no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. See Navy Training Plan (NTP) A-50-7703 for course details.

Table I- 1. Operator Courses

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-9X
D/E-2A-0601	F/A-18 Fleet Replacement Pilot Category 1	FY02 (estimate)
D/E-2A-0602	F/A-18 Fleet Replacement Pilot Category 2A	FY02 (estimate)
D/E-2A-0604	F/A-18 Fleet Replacement Pilot Category 3A	FY02 (estimate)
D/E-2A-0606	F/A-18 Fleet Replacement Pilot Category 4	FY02 (estimate)
None	F/A-18 Strike Fighter Advanced Readiness Program	FY02 (estimate)
None	F/A-18 Strike Fighter Weapons Employment	FY02 (estimate)
M13P4B3	F/A-18D Fleet Replacement Pilot Basic and Transition	FY02 (estimate)
M13P3V3	F/A-18D Fleet Replacement Pilot Refresher	FY02 (estimate)
M13P3W3	F/A-18D Fleet Replacement Pilot Modified Refresher	FY02 (estimate)
M13P4C3	F/A-18D WSO Basic and Transition	FY02 (estimate)
M13P3R3	F/A-18D WSO Refresher	FY02 (estimate)
M13P3S3	F/A-18D WSO Modified Refresher	FY02 (estimate)

(2) **Initial Skills - Maintenance.** AIM-9X initial skills training for the AO rating will be provided by the “A” School at NAS Pensacola, Florida. The Dummy Air Training Missile (DATM), DATM-9X is the TD required for AIM-9X initial skills maintenance training.

(a) **TDs.** The DATM-9X is physically representative of the AIM-9X. It is a TD to facilitate instruction and familiarization for transporting, handling, loading, and visual inspection procedures for organizational- and intermediate-level maintenance training purposes. The DATM-9X is not certified for flight, and is designed for ground training use only. For detailed information on DATM-9X refer to element IV.A.2.

(b) **Courses.** AIM-9X source material will be incorporated into the following courses with minimal impact. The AIM-9X will cause no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. The following table lists the applicable initial skills courses for the AO rating that will require AIM-9X data.

Table I- 2 Initial Skills - Maintenance Courses

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-9X
C-646-2011	Aviation Ordnanceman Common Core Class A1	FY02 (estimate)
C-646-2012	Aviation Ordnanceman Airwing Strand Class A1	FY02 (estimate)
C-646-2013	Aviation Ordnanceman Weapon Department Strand Class A1	FY02 (estimate)

(3) Organizational-level Maintenance. Organizational-level maintenance personnel are trained at the appropriate MTU for specific aircraft/weapon loading and maintenance. Weapon loading skills are further enhanced at SFWS, and through on-board proficiency training.

(a) TDs. TDs required for follow-on and proficiency training include the CATM-9X and the DATM-9X. CATM-9X will be used at SFWSL and SFWSP for the AIM-9X Conventional Weapons Technical Proficiency Inspection (CWTPi).

(b) Courses. AIM-9X will be taught in the following organizational-level maintenance training courses. The AIM-9X source material will be incorporated in these courses with minimal impact. The AIM-9X will cause no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III. See NTP A-50-7703 for organizational-level maintenance training course details.

Table I- 3. Organizational-level Maintenance Courses.

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-9X
C-646-9973	F/A-18 Stores Management System (Initial) Organizational Maintenance	FY02 (estimate)
C-646-9974	F/A-18 Stores Management System (Career) Organizational Maintenance	FY02 (estimate)
D/E-646-0640	F/A-18 Conventional Weapons Loading	FY02 (estimate)
D/E-646-0647	F/A-18 Conventional Release System Test	FY02 (estimate)

(4) Intermediate-level Maintenance. Intermediate-level maintenance training is available for USN and USMC AOs through the appropriate MTU.

(a) TDs. The TD required for follow-on and proficiency training is the DATM-9X. Should AIM-9X BIT/reprogramming tasks be re-assigned to ship's company, CATM-9X may be required in order to teach CMBRE procedures for AIM-9X BIT/reprogramming. As an alternative to the CATM-9X requirement, a software training mode for the AIM-9X Munitions Application Program (MAP) is being investigated. The AIM-9X

MAP is the software that resides on a PC card that is used by CMBRE to BIT/reprogram AIM-9X assets. With a training mode included on the AIM-9X MAP, CMBRE could be used with the DATM-9X to teach and practice AIM-9X BIT/reprogramming procedures, rather than using a CATM-9X asset.

(b) **Courses.** The following table lists intermediate-level maintenance training courses that will have AIM-9X source material incorporated with minimal impact. These updates will not cause changes in student throughput or chargeable student billets; therefore, these courses will not appear in Parts II, III and IV.

Table I- 4. Intermediate-level Maintenance Courses with Minimal AIM-9X Impact.

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-9X
C-646-3104	CV/CVN Air Launched Weapons General	FY02 (estimate)
C-646-4103	NAS Weapons Department Aviation Ordnance General	FY02 (estimate)
C-646-4108	Air Launched Weapons Ordnance Supervisor	FY02 (estimate)
C-646-4109	Weapons Department General Ordnance	FY02 (estimate)

The following intermediate-level maintenance training courses will have AIM-9X source material incorporated with more than minimal impact. Course updates will be based on incorporating the RMSC training materials used for DT/OT training, but will edit and reformat the material to fit within the existing course length and format. The AIM-9X will cause no change in student throughput or chargeable student billets. For detailed information refer to element IV.A.2.

Title	Air Launched Guided Missiles Intermediate Maintenance
CIN	C-122-3111 (part of D/E-646-7007)
Model Manager....	MTU 4030, NAMTRAGRU DET Naval Station (NS) Mayport
Description	From Catalog of Navy Training Courses (CANTRAC): Upon completion of this course, Aviation Ordnancemen, Gunner's Mates and Torpedoman's Mates will have sufficient knowledge/ theory of the Sparrow, Phoenix, Sidewinder, Sidarm, AMRAAM, Maverick, Harpoon, SLAM, HARM, Tow, Hellfire, Penguin All Up Round (AUR) Air Launched Guided Missiles, Walleye Weapon System, Tactical Air Launched Decoy (TALD) and Air Nitrogen Purifier Units, including basic theory, safety precautions, technical publications, and missile reporting procedures, to perform, under close supervision, Intermediate Maintenance in the CV/CVN, LPH/LHA, NAS/MCAS working environment.
Locations	MTU 4030, NAMTRAGRU DET, NS Mayport MTU 4032, NAMTRAGRU DET, NAS Norfolk MTU 4033, NAMTRAGRU DET, NAS North Island MTU 4035, NAMTRAGRU DET, NAS Whidbey Island
Length	11 days
RFT date	Currently available
Skill identifier	AO 6801
TD	DATM-9X
Prerequisite	AO, GMG, TM, or Graduate of AO (ClassA1) School or equivalent or designated striker, or C-646-2013 Aviation Ordnanceman Weapons Department Strand Class A1

Title	Aviation Ordnance Intermediate Maintenance Technician
CIN	C-646-3105 (part of M-646-7026)
Model Manager...	MTU 4034, VMAT-203 FREST, MCAS Cherry Point, North Carolina
Description	To provide USMC ordnance personnel with knowledge and skills to work on ordnance/armament in the MALS environment.
Location	MTU-4034, VMAT-203 FREST, MCAS Cherry Point, North Carolina
Length	75 days
RFT date	Currently available
Skill identifier	MOS 6541
TD	DATM-9X
Prerequisites	C-646-2011 Aviation Ordnanceman Common Core Class A1 C-646-2012 Aviation Ordnanceman Airwing Strand Class A1

(5) Explosive Ordnance Disposal Training. EOD training is presently conducted the NAVSCOLEOD at Naval Surface Warfare Center (NAVSURFWARCEN), Indian Head, Maryland, but will transition to the NAVSCOLEOD Detachment at Eglin Air Force Base, Florida. Additional advanced and specialized EOD training is provided by EOD Technical Evaluation Units (EODTEUs) at Fort Story, Virginia and Barbers Point, Hawaii.

(a) TDs. TDs required for EOD training are the Practical Explosive Ordnance Disposal System Trainer (PEST) and the Classroom Explosive System Trainer (CEST).

- **Practical Explosive Ordnance Disposal System Trainer.** The AIM-9X PEST is a full-scale model of the AIM-9X, containing inert versions of all explosive train components. The AIM-9X PEST possesses the same weight and center of gravity characteristics as the tactical missile. The AIM-9X PEST is used to practice the AIM-9X RSP. For further details on TDs see element IV.A.2.

- **Classroom Explosive Ordnance Disposal System Trainer.** The AIM-9X CEST is an inert, cut-away model of the AIM-9X, displaying locations and types of explosive and hazardous materials, initiators, igniters, and fuze, to facilitate instruction of the AIM-9X RSP. For further details on TDs see element IV.A.2.

(b) Courses. AIM-9X will be taught in the following EOD training courses. The AIM-9X RSPs will be incorporated in these courses with minimal impact. The AIM-9X will cause no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III.

Table I- 5. EOD Courses

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-9X
A-431-0011	Explosive Ordnance Disposal (EOD) Phase II (Navy)	FY02 (estimate)
A-431-0012	Explosive Ordnance Disposal (EOD) Phase II	FY02 (estimate)
G-431-0001	EOD Pre-deployment Team Training	FY02 (estimate)

c. Student Profiles. The following table lists the enlisted manpower and personnel classifications required to support AIM-9X. In many instances, AO personnel who will support AIM-9X will not possess the component NEC because they attained their primary NEC prior to the recent A School and C School changes.

Table I- 6. AIM-9X Student Profiles.

RATING and NEC or MOS	TITLE	COMPONENT NEC or MOS
AO 8842	F/A-18 Armament System Organizational Apprentice Maintenance Technician	AO 0000
AO 8342	F/A-18 System Organizational Maintenance Technician	AO 8842
AO 6531	Aircraft Ordnance Technician (F/A-18)	AO 6511
AO 6541	Aviation Ordnance Intermediate Maintenance	AO 6511

RATING and NEC or MOS	TITLE	COMPONENT NEC or MOS
	Technician	
AO 6801	Air Launched Weapons Technician	AO 0000

d. Training Pipelines. New training tracks will not be required for AIM-9X. The following training pipelines and tracks correspond to student profiles listed above. These pipelines and tracks are based on the training system that is in place today, and may not reflect actual progressions for personnel who completed formal training prior to the recent A School and C School changes. Shaded courses are affected by introduction of the AIM-9X. Introduction of the AIM-9X will have no effect on any organizational- or intermediate-level maintenance functions. Training tracks and associated courses are available in the OPNAV Aviation Training Management System (OATMS). The following training tracks apply and are available in the OATMS.

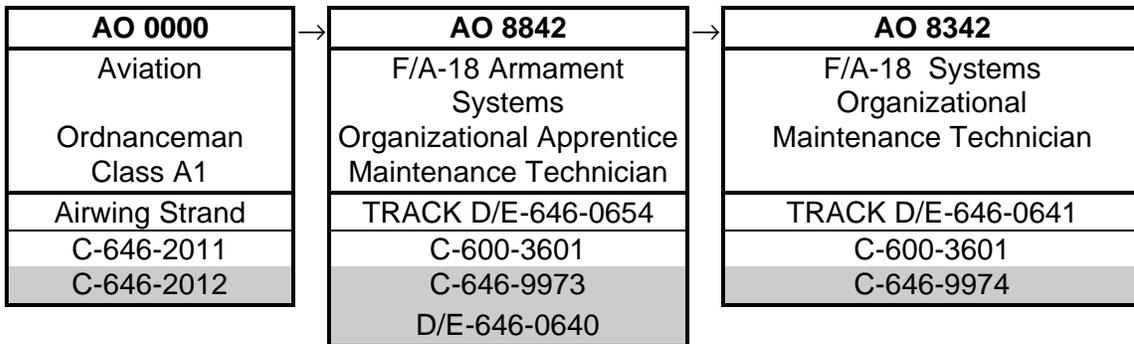


Figure I-1 F/A-18 Systems Organizational Maintenance Technician Career Progression

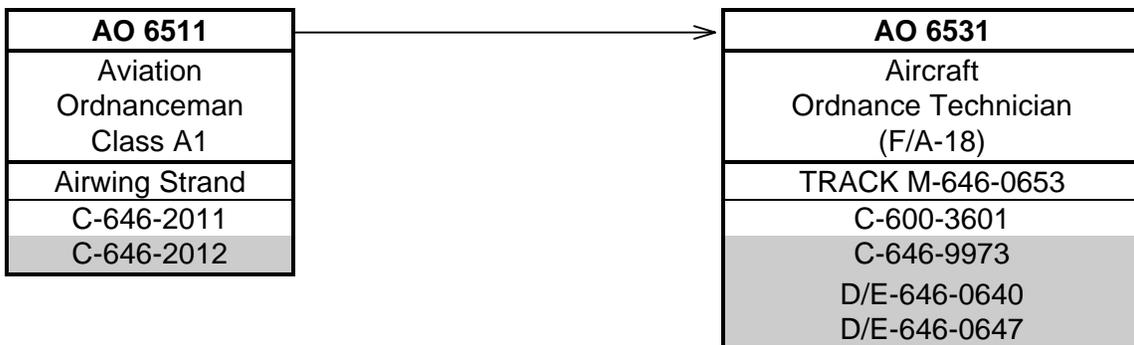


Figure I-2 F/A-18 Aircraft Ordnance Technician Career Progression

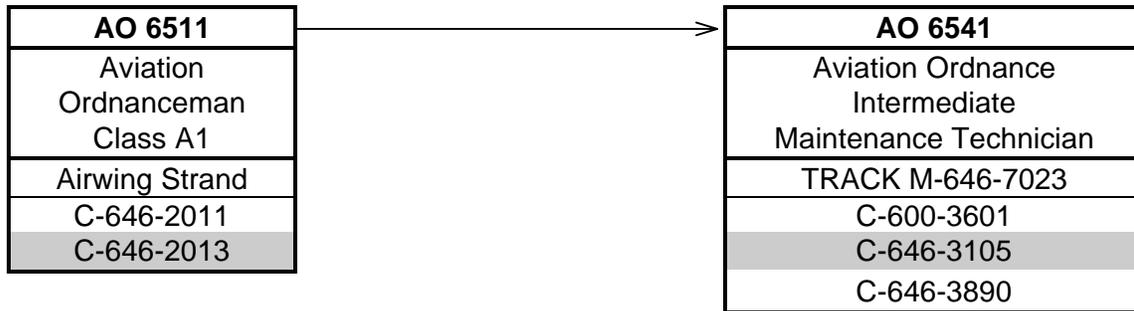


Figure I-3 Aviation Ordnance Intermediate Maintenance Technician Career Progression

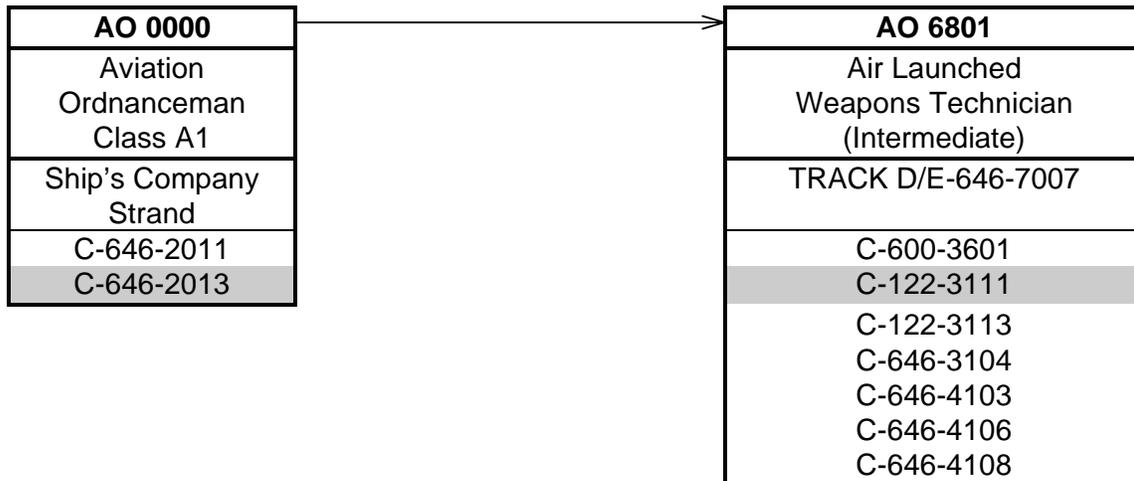


Figure I-4 Air Launched Weapons Technician Career Progression

I. ON-BOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development.

a. Maintenance Training Improvement Program. The Maintenance Training Improvement Program (MTIP) is used to establish an effective and efficient training system that is responsive to fleet training requirements. It consists of a bank of test questions that are managed through automated data processing. The Deputy Chief of Staff for Training assists in the development of MTIP by providing those question banks (software) already developed by the Navy. MTIP is implemented in accordance with OPNAVINST 4790.2F. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at both the organizational- and intermediate-levels of maintenance. MTIP allows increased effectiveness in the application of training resources through identification of skill and knowledge deficiencies

at the activity, work center, or individual technician level. Remedial training is concentrated where needed to combat identified skill and knowledge shortfalls.

b. Aviation Maintenance In-Service Training. Aviation Maintenance In-Service Training (AMIST) is intended to support Fleet training requirements now satisfied by MTIP, and in that sense is the planned replacement. However, it is structured very differently, and will function as an integral part of the new Aviation Maintenance Training Continuum System (AMTCS) that will replace the existing aviation maintenance training structure. AMIST will provide standardized instruction to bridge the training gaps between initial and career training. With the implementation of AMIST, the technician will be provided the training required to maintain a level of proficiency necessary to perform effectively the required tasks to reflect a career progression. AMTCS redesigns the aviation training process (training continuum), and introduces CBT throughout the Navy technical training process. The application and adoption of recent advances in computer hardware and software technology have enabled CBT with its basic elements of Computer Managed Instruction (CMI), Computer Aided Instruction (CAI), and Interactive Courseware (ICW) to be integrated into the training continuum and provide essential support for standardizing technical training.

c. Strike Fighter Training Program. NSAWC, which includes Topgun (N7), SFWSL, SFWSP, and the Strike Weapons and Tactics School Atlantic (SWATSLANT), is developing post-FRS training at the squadron level for Navy Strike Fighter aircraft (F-14 and F/A-18). This post-FRS training continuum is known as the SFTP, and is composed of three equally critical elements: The SFWT curricula, the SFTI, and the SFTS. The SFWT curricula will be taught by each squadron's SFTI, who will be supported by the SFTS, a multimedia computer-based training system that will host CMI, CAI, CBT and ICW. Aircrew weapons proficiency training will continue to be accomplished using existing methods: Academic, Simulator (WTT/Weapon Systems Trainer (WST)), CATM and/or embedded aircraft simulation, and NCEA; but capability ratings will be performance-based rather than completion-based, i.e., it will not be based simply upon completing the training events, but upon how well they are completed. Training events will be measured using defined metrics, and collectively these events will be evaluated to determine actual combat readiness, quantitatively (objectively) rather than qualitatively (subjectively).

2. Personnel Qualification Standards. Not Applicable (NA).

3. Other On-Board or In-service Training Packages.

a. Marine Aviation Training Management Evaluation Program. Marine Corps on-board training is based on the current series of MCO P4790.12, Individual Training Standards System and Marine Aviation Training Management Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2F, maintenance

training requirements. It is a performance-based, standardized, level-progressive training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be addressed with remedial training.

b. Conventional Weapon Technical Proficiency Inspection. The Conventional Weapon Technical Proficiency Inspection (CWTPI) is a graded inspection administered by either Strike Fighter Weapons School Pacific or Atlantic. The CWTPI covers all areas of conventional weapon load and release, and control systems checks. The inspection evaluates the squadron's ability to correctly wire-check, upload and download conventional ordnance, use applicable publications, and place ordnance on its designated target. The squadron inspection is conducted annually, six months prior to deployment, or at the request of the squadron's Commanding Officer. A written examination is required by all personnel, including squadron pilots, directly involved in the inspection. A 72 hour time limit is granted for the completion of the entire evolution. The final grade is an average score derived from the written exams, ordnance loads, wire checks, and the pilot's proficiency to deliver weapons on target. Pre-inspection training is provided by the appropriate SFWS followed by the CWTPI. The CWTPI determines the need for further conventional weapons load training of squadron AO and Aviation Electronics Technician personnel at the appropriate SFWS.

c. Marine Corps Combat Readiness Evaluation. The USMC fighter and attack wings are scheduled by Headquarters, Marine Corps for a yearly Combat Readiness Evaluation. This is part of the Marine Corps Combat Readiness Evaluation System. An entire Marine Corps activity is moved to another location to participate in war exercises and to be evaluated. Training is an on-going Marine Corps evolution that culminates with the Combat Readiness Evaluation. The evaluation determines the need for further conventional weapons load training of squadron personnel.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. In December 1994, two contractors, Raytheon Company Missile Systems Division and HMSC, were awarded DEM/VAL contracts. Both contracts were completed by July 1996. The E&MD contract, N00019-97-C-0027, was awarded to HMSC in January 1997. HMSC later became RMSC.

2. Program Documentation. The AIM-9X Sidewinder Single Acquisition Management Plan (SAMP) was prepared by PMA259 prior to the Milestone II decision and approved 3 December 1996 in an effort to streamline program documentation. It contains all essential program information. The latest approved version of the AIM-9X SAMP is dated 3 March 1997. The AIM-9X Sidewinder Integrated Logistics Support Plan (ILSP), document number MS-371,

is currently in revision and reformatting to become the AIM-9X Sidewinder Acquisition Logistics Support Plan (ALSP), document number TBD.

3. Technical Data Plan. Technical data associated with the AIM-9X Missile Program will be in compliance with the Continuous Acquisition Life-cycle Support strategy. All AIM-9X program data will be considered for generation in digital format. This goal will be achieved through an orderly procession of steps where each deliverable is evaluated as to economic feasibility, intended use, frequency of use and infrastructure of users. Certain data deliverables may remain in hard copy format and may be considered for conversion to digital form when justified by economic and usage factors. RMSC has setup their version of a Contractor Integrated Technical Information Service (CITIS), which is called Program Document Management (PDM). PDM provides authorized AIM-9X personnel access to all unclassified contract data requirements, which includes training curricula and technical manuals.

4. Test Sets, Tools, and Test Equipment.

a. Organizational-level Maintenance. Organizational-level maintenance will be performed with existing test equipment (which may require modification) to test launcher and aircraft circuits prior to loading the AIM-9X missile.

b. Intermediate-level Maintenance. Intermediate-level maintenance will be performed with existing test equipment (which may require modification) designated for earlier versions of the Sidewinder missile.

c. NWS Maintenance Support. NWS personnel will use CMBRE to BIT check and reprogram AIM-9X and CATM-9X through the missile container.

d. Depot-level Maintenance. RMSC will be responsible for depot-level maintenance and associated tools, test sets, and equipment.

5. Repair Parts. Repair parts for the CATM-9X (as well as the AIM-9X) will be addressed during the AIM-9X provisioning process. Provisioning of consumable repair parts will be procured through the Naval Inventory Control Point. The MSD is projected to be FY02. Prior to MSD, RMSC will provide all consumable repair parts.

6. Human Systems Integration. The original Human Systems Integration Plan (HSIP) for the AIM-9X was approved in July 1994, and revised throughout DEM/VAL. Following DEM/VAL, but prior to the Milestone II decision, the HSIP was incorporated into the SAMP, which was approved 3 December 1996, then later revised and approved 3 March 1997. The only unique human systems integration challenge facing the AIM-9X is integration with the JHMCS. The JHMCS will require more pilot interaction in the search and acquisition of targets. However, this additional task is well within the current Navy, Marine Corps, and Air Force operator

capability. The Joint Aircrew System Advisory Panel and the Joint Interface Control Working Group are addressing this issue. Lessons learned in Developmental Test and Evaluation and Operational Test and Evaluation will evolve this facet of aircrew training. Missile status tones used in AIM-9X will very closely approximate those used for AIM-9M to provide seamless transition for the aircrew.

K. SCHEDULES

1. Schedule of Events

a. Installation and Delivery Schedules. AIM-9X production and retrofit schedules will be incorporated into updates of this NTSP as they become available, and based upon their security classification.

b. Ready For Operational Use Schedule. The AIM-9X will be Ready For Operational Use by the operational activity upon receipt of an AUR missile.

c. Time Required to Install at Operational Sites. No time is required, because the AIM-9X is delivered and received as an AUR missile.

d. Foreign Military Sales and Other Source Delivery Schedule. NA.

e. Training Device and Delivery Schedule. CATM, DATM, CEST, and PEST delivery schedules have not been determined at this time. All DATM, CEST, and PEST deliveries will be made during LRIP lots. CATM deliveries will be made during LRIP lots and Full-rate Production lots. Element IV.A.2 of this NTSP lists USN and USMC TD requirements by activity. The CATM-9X requirements listed represent Navy and Marine Corps F/A-18 requirements only. Other aircraft platforms that may be integrated with AIM-9X during Follow-on Test and Evaluation (e.g., F/A-18E/F, F-14B Upgrade, F-14D, AV-8BC1, AH-1) would require additional CATM-9X assets to support proficiency training for the associated operational squadrons. The 650 CATM-9Xs represent an 86% asset readiness objective. Refer to part IV.A.2 for a detailed list of CATM-9X requirements by squadron.

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA.

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER	PDA CODE	STATUS
F/A-18 Weapon System NTP	A-50-7703G/D	PMA265	Draft 9/96
AIM-9M-8 NTP	A-50-8105N	PMA205	Approved 1/30/97
Navy and Air Force ILSP for Sidewinder AIM-9M	ILSP MS-059	AIR-3.1.1	Approved 12/93
Navy and Air Force ALSP for Sidewinder AIM-9X	MS-371	AIR-3.1.1	Draft 7/97
AIM-9X Single Acquisition Management Plan for the AIM-9X	No Number Assigned	PMA259	Approved 3/3/97

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the AIM-9X and, therefore, are not included in Part II of this NTSP:

II.A. Billet Requirements

- II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule
- II.A.2.b. Billets to be Deleted in Operational and Fleet Support Activities
- II.A.2.c. Total Billets to be Deleted in Operational and Fleet Support Activities

II.B. Personnel Requirements

- II.B.3. Foreign, Other Service, and Non-Military Personnel Annual Training Input Requirement

NOTE 1: This section of the AIM-9X NTSP reflects maintenance billet and personnel requirements for the AIM-9X. It is a compilation of one organizational and one intermediate level NEC (AO 8342 and AO 6801, respectively) and one organizational and one intermediate level MOS (6531 and 6541, respectively) with associated billets. The addition of the AIM-9X to the organizational and intermediate level workloads is only a small percentage of the required workload for those NECs and MOS. The NECs and MOS are not dedicated to the AIM-9X and, therefore, the overall training throughput for the NEC and MOS will remain the same, i.e., account for the total NEC/MOS community, and not just activities receiving AIM-9X.

NOTE 2: All billets identified in this section are programmed through other NTSPs, e.g., F/A-18 NTSP, applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Documents. The activities and associated billets are listed to assist the weapons training community in identifying and managing training requirements throughout the development, production, and deployment of the AIM-9X.

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: 5/98

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
OPERATIONAL	NAVY						
NAVWPNTSTRON CL	39787	0	1	0	0	0	0
NAVWPNTSTRON PM	39788	0	1	0	0	0	0
NAVSTKAIRSTRON	39783	0	1	0	0	0	0
VX-9	55646	0	0	1	0	0	0
VFA-106	09679	0	0	0	0	0	1
VFA-125	09485	0	0	0	0	0	1
VFA-15	09015	0	0	0	0	0	0
VFA-34	09070	0	0	0	0	0	0
VFA-37	09478	0	0	0	0	0	0
VFA-81	09221	0	0	0	0	0	0
VFA-82	09122	0	0	0	0	0	0
VFA-83	09223	0	0	0	0	0	0
VFA-86	09943	0	0	0	0	0	0
VFA-87	63922	0	0	0	0	0	0
VFA-105	65183	0	0	0	0	0	0
VFA-131	63934	0	0	0	0	0	0
VFA-136	55141	0	0	0	0	0	0
VFA-127	08956	0	0	0	0	0	0
VFA-22	09561	0	0	0	0	0	0
VFA-25	09637	0	0	0	0	0	0
VFA-94	09295	0	0	0	0	0	0
VFA-97	63923	0	0	0	0	0	0
VFA-113	09092	0	0	0	0	0	0
VFA-115	09604	0	0	0	0	0	0
VFA-137	55142	0	0	0	0	0	0
VFA-146	09063	0	0	0	0	0	0
VFA-147	63925	0	0	0	0	0	0
VFA-151	09558	0	0	0	0	0	0
VFA-27	65185	0	0	0	0	0	0
VFA-154	09678	0	0	0	0	0	0
VFA-192	55179	0	0	0	0	0	0
VFA-195	09706	0	0	0	0	0	0
VFA-203	09030	0	0	0	0	0	0
VFA-204	09032	0	0	0	0	0	0
NSAWC N7	69190	0	0	0	0	0	1
SFWSL	47084	0	0	0	0	0	1
SFWSP	35185	0	0	0	0	0	1
VFC-12	52994	0	0	0	0	0	0
VFC-13	52995	0	0	0	0	0	0
TOTAL:		0	3	1	0	0	5

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: 5/98

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
OPERATIONAL	USMC						
VMFA-115	09234	0	0	0	0	0	0
VMFA-122	09407	0	0	0	0	0	0
VMFA-251	09241	0	0	0	0	0	0
VMFA-312	09253	0	0	0	0	0	0
VMFA-451	09238	0	0	0	0	0	0
VMFA (AW)-224	01224	0	0	0	0	0	0
VMFA (AW)-332	09501	0	0	0	0	0	0
VMFA (AW)-533	09193	0	0	0	0	0	0
VMFA-212	09434	0	0	0	0	0	0
VMFA-232	09242	0	0	0	0	0	0
VMFA-235	09237	0	0	0	0	0	0
VMFA-314	09230	0	0	0	0	0	0
VMFA-323	09235	0	0	0	0	0	0
VMFA (AW)-121	09257	0	0	0	0	0	0
VMFA (AW)-225	09232	0	0	0	0	0	0
VMFA-112	08954	0	0	0	0	0	0
VMFA-134	09365	0	0	0	0	0	0
VMFA-142	67243	0	0	0	0	0	0
VMFA-321	67235	0	0	0	0	0	0
MALS Aug Beaufort	67863	0	0	0	0	0	0
MALS Aug Miramar	09111	0	0	0	0	0	0
MAWTS-1	55167	0	0	0	0	0	1
VMFAT-101	09965	0	0	0	0	0	1
TOTAL:		0	0	0	0	0	2
FLEET SUPPORT	NAVY						
AIMD Cecil Field	60200	0	0	0	0	0	0
AIMD Fallon	60495	0	0	0	0	0	1
AIMD Lemoore	63042	0	0	0	0	0	0
AIMD Oceana	60191	0	0	0	0	0	0
COMNAVAIRLANT	57012	0	0	0	0	0	0
CV-63 USS Kitty Hawk	03363	0	0	0	0	0	0
CV-64 USS Constellation	03364	0	0	0	0	0	0
CVN-65 USS Enterprise	03365	0	0	0	0	0	0
CVN-68 USS Nimitz	03368	0	0	0	0	0	0
CVN-69 USS Eisenhower	03369	0	0	0	0	0	0
CVN-70 USS Vinson	20993	0	0	0	0	0	0
CVN-71 USS Roosevelt	21247	0	0	0	0	0	0
CVN-72 USS Lincoln	21297	0	0	0	0	0	0
CVN-73 USS Washington	21412	0	0	0	0	0	0
CVN-74 USS Stennis	21847	0	0	0	0	0	0
CVN-75 USS Truman	21853	0	0	0	0	0	0
NAWMU-1	52821	0	0	0	0	0	0
NAWCAD Patuxent River	00421	0	0	0	0	0	0
NAWCWD Point Mugu	63126	0	0	0	0	0	0
NAWS Point Mugu	0429A	0	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: 5/98

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
NAWS China Lake	68937	0	0	0	0	0	0
TOTAL:		0	0	0	0	0	1
FLEET SUPPORT	USMC						
MAD China Lake	67852	0	0	0	0	0	0
MAD Patuxent River	67356	0	0	0	0	0	0
MALS-11 Miramar	09233	0	0	0	0	0	0
MALS-12 Iwakuni	09377	0	0	0	0	0	0
MALS-13 Yuma	09041	0	0	0	0	0	0
MALS-31 Beaufort	09384	0	0	0	0	0	0
MALS-41 Fort Worth	67239	0	0	0	0	0	0
MALS-42 Marietta	67236	0	0	0	0	0	0
MALS-46 Miramar	67244	0	0	0	0	0	0
MASD Andrews	04801	0	0	0	0	0	0
TOTAL:		0	0	0	0	0	0

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
OPERATIONAL	NAVY					
NAVWPNTSTRON CL	39787					
ACDU		FY98	0	3	AO	6801
ACDU		FY98	0	5	AO	8342
ACTIVITY TOTAL:			0	8		
NAVWPNTSTRON PM	39788					
ACDU		FY98	0	3	AO	6801
ACDU		FY98	0	5	AO	8342
ACTIVITY TOTAL:			0	8		
NAVSTKAIRSTRON	39783					
ACDU		FY98	0	3	AO	6801
ACDU		FY98	0	5	AO	8342
ACTIVITY TOTAL:			0	8		
VX-9	55646					
ACDU		FY99	0	3	AO	6801
ACDU		FY99	0	5	AO	8342
ACTIVITY TOTAL:			0	8		
VFA-106	09679					
AD		FY02	0	1		6541
ACDU		FY02	0	5	AO	8342
ACTIVITY TOTAL:			0	6		
VFA-125	09485					
AD		FY02	0	1		6541
ACDU		FY02	0	5	AO	8342
ACTIVITY TOTAL:			0	6		
VFA-15	09015					
ACDU		FY03	0	5	AO	8342
VFA-34	09070					
ACDU		FY03	0	5	AO	8342
VFA-37	09478					
ACDU		FY03	0	5	AO	8342
VFA-81	09221					
ACDU		FY03	0	5	AO	8342
VFA-82	09122					
ACDU		FY03	0	5	AO	8342
VFA-83	09223					
ACDU		FY03	0	5	AO	8342
VFA-86	09943					
ACDU		FY03	0	5	AO	8342
VFA-87	63922					
ACDU		FY03	0	5	AO	8342
VFA-105	65183					

¹ All billet requirements shown are programmed in either the F/A-18 NTSP, the applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Document.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VFA-131	ACDU 63934	FY03	0	5	AO	8342
VFA-136	ACDU 55141	FY03	0	5	AO	8342
VFA-127	ACDU 08956	FY03	0	5	AO	8342
VFA-22	ACDU 09561	FY03	0	5	AO	8342
VFA-25	ACDU 09637	FY03	0	5	AO	8342
VFA-94	ACDU 09295	FY03	0	5	AO	8342
VFA-97	ACDU 63923	FY03	0	5	AO	8342
VFA-113	ACDU 09092	FY03	0	5	AO	8342
VFA-115	ACDU 09604	FY03	0	5	AO	8342
VFA-137	ACDU 55142	FY03	0	5	AO	8342
VFA-146	ACDU 09063	FY03	0	5	AO	8342
VFA-147	ACDU 63925	FY03	0	5	AO	8342
VFA-151	ACDU 09558	FY03	0	5	AO	8342
VFA-27	ACDU 65185	FY03	0	5	AO	8342
VFA-192	ACDU 55179	FY03	0	5	AO	8342
VFA-195	ACDU 09706	FY03	0	5	AO	8342
VFA-203	ACDU 09030	FY03	0	5	AO	8342
VFA-204	ACDU 09032	FY03	0	5	AO	8342
NSAWC N7	ACDU 69190	FY03	0	5	AO	8342
SFWSL	ACDU 47084	FY02	0	5	AO	8342
SFWSP	ACDU 35185	FY02	0	5	AO	8342
VFC-12	ACDU 52994	FY02	0	5	AO	8342
VFC-13	TAR 52995	FY03	0	5	AO	8342
	TAR	FY03	0	5	AO	8342

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
OPERATIONAL	USMC					
VMFA-115	09234					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-122	09407					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-251	09241					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-312	09253					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-451	09238					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-224	01224					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-332	09501					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-533	09193					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-212	09434					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-232	09242					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-235	09237					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
ACTIVITY TOTAL:			0	8		
VMFA-314	09230					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-323	09235					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-121	09257					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-225	09232					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-242	09668					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
ACTIVITY TOTAL:			0	8		
VMFA-112	08954					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
	AR	FY03	0	3		6541
ACTIVITY TOTAL:			0	11		
VMFA-134	09365					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
	AR	FY03	0	3		6541
ACTIVITY TOTAL:			0	11		
VMFA-142	67243					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
	AR	FY03	0	3		6541
ACTIVITY TOTAL:			0	11		
VMFA-321	67235					
	AD	FY03	0	5		6531
	AD	FY03	0	3		6541
	AR	FY03	0	3		6541
ACTIVITY TOTAL:			0	11		
MALS Aug Beaufort	67863					
	AD	FY03	0	3		6541
MALS Aug Miramar	09111					
	AD	FY03	0	3		6541

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
MAWTS-1	55167					
	AD	FY02	0	5		6531
	AD	FY02	0	2		6541
ACTIVITY TOTAL:			0	7		
VMFAT-101	09965					
	AD	FY02	0	5		6531
	AD	FY02	0	6		6541
ACTIVITY TOTAL:			0	11		
FLEET SUPPORT	NAVY					
AIMD Cecil Field	60200					
	ACDU	FY03	0	3	AO	6801
AIMD Fallon	60495					
	ACDU	FY03	0	3	AO	6801
AIMD Lemoore	63042					
	ACDU	FY03	0	3	AO	6801
AIMD Oceana	60191					
	ACDU	FY03	0	3	AO	6801
COMNAVAIRLANT	57012					
	ACDU	FY03	0	3	AO	6801
CV-63 USS Kitty Hawk	03363					
	ACDU	FY03	0	3	AO	6801
	SELRES	FY03	0	2	AO	6801
ACTIVITY TOTAL:			0	5		
CV-64 USS Constellation	03364					
	ACDU	FY03	0	3	AO	6801
CVN-65 USS Enterprise	03365					
	ACDU	FY03	0	3	AO	6801
CVN-68 USS Nimitz	03368					
	ACDU	FY03	0	3	AO	6801
CVN-69 USS Eisenhower	03369					
	ACDU	FY03	0	3	AO	6801
CVN-70 USS Vinson	20993					
	ACDU	FY03	0	3	AO	6801
CVN-71 USS Roosevelt	21247					
	ACDU	FY03	0	3	AO	6801
CVN-72 USS Lincoln	21297					
	ACDU	FY03	0	3	AO	6801
CVN-73 USS Washington	21412					
	ACDU	FY03	0	3	AO	6801
CVN-74 USS Stennis	21847					
	ACDU	FY03	0	3	AO	6801
CVN-75 USS Truman	21853					
	ACDU	FY03	0	3	AO	6801
NAWMU-1	52821					
	ACDU	FY03	0	6	AO	6801

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
NAWCAD Patuxent River	00421					
ACDU		FY03	0	2	AO	6801
ACDU		FY03	0	2	AO	6801/8345
ACTIVITY TOTAL:			0	4		
NAWCWD Point Mugu	63126					
ACDU		FY03	0	1	AO	6801
NAWS Point Mugu	0429A					
ACDU		FY03	0	3	AO	6801
NAWS China Lake	68937					
SELRES		FY03	0	1	AO	6801
FLEET SUPPORT	USMC					
MAD China Lake	67852					
AD		FY03	0	2		6541
MAD Patuxent River	67356					
AD		FY03	0	1		6541
MALS-11 Miramar	09233					
AD		FY03	0	3		6541
MALS-12 Iwakuni	09377					
AD		FY03	0	3		6541
MALS-13 Yuma	09041					
AD		FY03	0	3		6541
MALS-31 Beaufort	09384					
AD		FY03	0	3		6541
MALS-41 Fort Worth	67239					
AR		FY03	0	3		6541
AD		FY03	0	3		6541
ACTIVITY TOTAL:			0	6		
MALS-42 Marietta	67236					
AR		FY03	0	3		6541
AD		FY03	0	2		6541
ACTIVITY TOTAL:			0	5		
MALS-46 Miramar	67244					
AR		FY03	0	3		6541
MASD Andrews	04801					
AD		FY03	0	1		6541

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES²

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
OPERATIONAL ACTIVITY - ACDU													
AO	6801	0	0	0	9	0	3	0	0	0	0	0	0
AO	8342	0	0	0	15	0	5	0	0	0	0	0	25
OPERATIONAL ACTIVITY - TAR													
AO	8342	0	0	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AD													
	6531	0	0	0	0	0	0	0	0	0	0	0	10
	6541	0	0	0	0	0	0	0	0	0	0	0	10
OPERATIONAL ACTIVITY - AR													
	6541	0	0	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - ACDU													
AO	6801	0	0	0	0	0	0	0	0	0	0	0	0
AO	6801/8345	0	0	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - SELRES													
AO	6801	0	0	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AD													
	6541	0	0	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AR													
	6541	0	0	0	0	0	0	0	0	0	0	0	0
SUMMARY TOTAL:													
OPERATIONAL ACTIVITY - ACDU													
		0	0	0	24	0	8	0	0	0	0	0	25
OPERATIONAL ACTIVITY - TAR													
		0	0	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AD													
		0	0	0	0	0	0	0	0	0	0	0	20
OPERATIONAL ACTIVITY - AR													
		0	0	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - ACDU													
		0	0	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - SELRES													
		0	0	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AD													
		0	0	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AR													
		0	0	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL:													
	ACDU	0	0	0	24	0	8	0	0	0	0	0	25
	TAR	0	0	0	0	0	0	0	0	0	0	0	0
	SELRES	0	0	0	0	0	0	0	0	0	0	0	0
	AD	0	0	0	0	0	0	0	0	0	0	0	20
	AR	0	0	0	0	0	0	0	0	0	0	0	0

² All billet requirements shown are programmed in either the F/A-18 NTSP, the applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Document. Most billet requirements for AIM-9X are phased in FY02 and FY03 to coincide with Fleet introduction, and will be reflected in the FY99 update.

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS³

INSTRUCTOR BILLETS

TRAINING ACTIVITY, LOCATION, UIC:		MTU 4030 NAMTRAGRUDET				NS Mayport				66069			
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	4	0	4	0	4	0	4	0	4	0	4
SELRES													
AO	6801/9502	0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:		0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC:		MTU 4032 NAMTRAGRUDET				NAS Norfolk				66046			
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	7	0	7	0	7	0	7	0	7	0	7
SELRES													
AO	6801/9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:		0	9	0	9	0	9	0	9	0	9	0	9

TRAINING ACTIVITY, LOCATION, UIC:		MTU 4033 NAMTRAGRUDET				NAS North Island				66065			
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC:		MTU 4034 VMAT-203 FREST				MCAS Cherry Point				45483			
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AD													
	6541	0	21	0	21	0	21	0	21	0	21	0	21

TRAINING ACTIVITY, LOCATION, UIC:		MTU 4035 NAMTRAGRUDET				NAS Whidbey Island				66058			
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	0	0	0	0	0	0	4	0	4	0	4

³ Instructor billet requirements shown are for the total course throughput for applicable NEC/MOS, not just throughput required to support AIM-9X.

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS ⁴

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CY98		FY99		FY00		FY01		FY02	
		OFF	ENL										
MTU 4030 NAMTRAGRUDET, NS Mayport, 66069	USN	0	0.8	0	0.8	0	0.7	0	0.1	0	0.1	0	0.1
MTU 4032 NAMTRAGRUDET, NAS Norfolk, 66046	USN	0	5.6	0	4.9	0	5.1	0	5.1	0	5.1	0	5.1
MTU 4033 NAMTRAGRUDET, NAS North Island, 66065	USN	0	3.8	0	3.8	0	3.8	0	3.8	0	3.8	0	3.8
MTU 4034 VMAT-203 FREST, MCAS Cherry Point, 45483	USMC	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6
MTU 4035 NAMTRAGRUDET, NAS Whidbey Island, 66058	USMC	0	0.0	0	0.0	0	0.1	0	0.7	0	0.8	0	0.8
SUMMARY TOTAL:													
	USN	0	10.2	0	9.5	0	9.7	0	9.7	0	9.8	0	9.8
	USMC	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6
GRAND TOTAL:		0	65.8	0	65.1	0	65.3	0	65.3	0	65.4	0	65.4

⁴ Chargeable student billet requirements shown are for the total course throughput for applicable NEC/MOS, not just throughput required to support AIM-9X.

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS⁵

a. OFFICER - USN: NA

b. ENLISTED - USN:

RATING	PNEC/SNEC	BILLET BASE	CFY98		FY99		FY00		FY01		FY02	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Operational Billets ACDU and TAR												
AO	6801	12	0	12	0	12	0	12	0	12	0	12
AO	8342	190	0	190	0	190	0	190	0	190	0	190
Fleet Support Billets ACDU and TAR												
AO	6801	63	0	63	0	63	0	63	0	63	0	63
AO	6801/8345	2	0	2	0	2	0	2	0	2	0	2
Instructor and Support (Staff) Billets ACDU and TAR												
AO	6801/9502	15	0	15	0	15	4	19	0	19	0	19
Chargeable Student Billets ACDU and TAR												
		10	0	10	0	10	0	10	0	10	0	10
TOTAL USN ENLISTED BILLETS:												
Operational		202	0	200	0	200	0	200	0	200	0	200
Fleet Support		65	0	65	0	65	0	65	0	65	0	65
Staff		15	0	15	0	15	4	19	0	19	0	19
Student		10	0	10	0	10	0	10	0	10	0	10
SELRES		6	0	6	0	6	0	6	0	6	0	6

c. OFFICER - USMC: NA

b. ENLISTED - USMC:

RATING	PMOS/SMOS	BILLET BASE	CFY98		FY99		FY00		FY01		FY02	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Operational Billets AD and AR												
	6531	110	0	110	0	110	0	110	0	110	0	110
	6541	88	0	88	0	88	0	88	0	88	0	88
Fleet Support Billets AD and AR												
	6541	30	0	30	0	30	0	30	0	30	0	30
Instructor and Support (Staff) Billets AD and AR												
	6541	21	0	21	0	21	0	21	0	21	0	21
Chargeable Student Billets AD and AR												
		56	0	56	0	56	0	56	0	56	0	56
TOTAL USN ENLISTED BILLETS:												
Operational		198	0	198	0	198	0	198	0	198	0	198
Fleet Support		30	0	30	0	30	0	30	0	30	0	30
Staff		21	0	21	0	21	0	21	0	21	0	21
Student		56	0	56	0	56	0	56	0	56	0	56
SMCR		0	0	0	0	0	0	0	0	0	0	0

⁵ Billet base identified is only a portion of the total applicable NEC/MOS billet base, which is allocated for all air-launched weapons and ordnance maintenance. Billets are programmed through applicable CV/CVN Class Total Ship NTSPs and Shore Activity Manning Documents.

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ACTIVITY TOTAL:

MTU-4030 NAMTRAGRU DET	0	8	0	7	0	1	0	1	0	1
MTU-4032 NAMTRAGRU DET	0	48	0	49	0	49	0	50	0	49
MTU-4033 NAMTRAGRU DET	0	38	0	38	0	38	0	38	0	38
MTU-4034 VMAT-203 FREST	0	257	0	257	0	257	0	257	0	257
MTU-4035 NAMTRAGRU DET	0	0	0	1	0	7	0	8	0	8

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AIM-9X and, therefore, are not included in this NTSP.

- III.A. Training Course Requirements
 - III.A.2 Follow-on Training
 - III.A.2.b. Planned Courses
 - III.A.2.c. Unique Courses
 - III.A.3. Existing Training Phased Out
- III.B. Total Ship Training Course Summary
- III.C. Inactive Duty Training Travel and Annual Training Summary

III.A. TRAINING COURSE REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AIM-9X Theory of Operation & AIM-9X/F/A-18C/D Aircrew Procedures
COURSE DEVELOPER: RMSC
INSTRUCTOR: TBD
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY DESTINATION</u>
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>	
NAVWPNTSTRON CL, 39787	AUG 98	TBD		TBD Input	DT-IIB
		TBD		TBD AOB	
		TBD		TBD Chargeable	
VX-9, 55646	JUL 99	TBD		TBD Input	OT-IIA
		TBD		TBD AOB	
		TBD		TBD Chargeable	
VX-9, 55646	JUL 00	TBD		TBD Input	OT-IIB
		TBD		TBD AOB	
		TBD		TBD Chargeable	

COURSE TITLE: AIM-9X Release and Control Checks, Loading on the F/A-18C/D Aircraft & On-Aircraft BIT Procedures
COURSE DEVELOPER: RMSC
INSTRUCTOR: TBD
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY DESTINATION</u>
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>	
NAVWPNTSTRON CL, 39787	JUL 98	TBD		TBD Input	DT-IIB
		TBD		TBD AOB	
		TBD		TBD Chargeable	
VX-9, 55646	JUL 99	TBD		TBD Input	OT-IIA
		TBD		TBD AOB	
		TBD		TBD Chargeable	
VX-9, 55646	JUL 00	TBD		TBD Input	OT-IIB
		TBD		TBD AOB	
		TBD		TBD Chargeable	

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AIM-9X Handling and Storage, Packaging and Storing, Inspections, & Corrosion Control
COURSE DEVELOPER: RMSC
INSTRUCTOR: TBD
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY DESTINATION</u>	
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>		
NAVWPNTSTRON CL, 39787	AUG 98		TBD	TBD	Input	DT-IIB
			TBD	TBD	AOB	
			TBD	TBD	Chargeable	
VX-9, 55646	JUL 99		TBD	TBD	Input	OT-IIA
			TBD	TBD	AOB	
			TBD	TBD	Chargeable	
VX-9, 55646	JUL 00		TBD	TBD	Input	OT-IIB
			TBD	TBD	AOB	
			TBD	TBD	Chargeable	

COURSE TITLE: AIM-9X Off-Aircraft BIT Procedures & Reprogramming Procedures using CMBRE
COURSE DEVELOPER: RMSC
INSTRUCTOR: TBD
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY DESTINATION</u>	
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>		
VX-9, 55646	JUL 99		TBD	TBD	Input	OT-IIA
			TBD	TBD	AOB	
			TBD	TBD	Chargeable	
VX-9, 55646	JUL 00		TBD	TBD	Input	OT-IIB
			TBD	TBD	AOB	
			TBD	TBD	Chargeable	

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AIM-9X Aircrew Familiarization
COURSE DEVELOPER: NSAWC N7/NAWCWD
INSTRUCTOR: NSAWC N7
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY DESTINATION</u>
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>	
SFWSP, 35185	FY02	TBD		TBD	Input
		TBD		TBD	AOB
		TBD		TBD	Chargeable
SFWSL, 47084	FY02	TBD		TBD	Input
		TBD		TBD	AOB
		TBD		TBD	Chargeable
MAWTS-1, 55167	FY02	TBD		TBD	Input
		TBD		TBD	AOB
		TBD		TBD	Chargeable
VFA-125, 09485	FY02	TBD		TBD	Input
		TBD		TBD	AOB
		TBD		TBD	Chargeable
VFA-106, 09679	FY02	TBD		TBD	Input
		TBD		TBD	AOB
		TBD		TBD	Chargeable
VMFAT-101, 09965	FY02	TBD		TBD	Input
		TBD		TBD	AOB
		TBD		TBD	Chargeable

COURSE TITLE: AIM-9X Organizational Maintenance for the F/A-18C/D Aircraft
COURSE DEVELOPER: NAWCWD
INSTRUCTOR: TBD
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY DESTINATION</u>
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>	
SFWSP, 35185	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
SFWSL, 47084	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
MTU 1038, 66060	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
MTU 1039, 66050	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
NATTC, 63082	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AIM-9X Intermediate Maintenance
COURSE DEVELOPER: NAWCWD
INSTRUCTOR: TBD
COURSE LENGTH: TBD

<u>LOCATION, UIC</u>	<u>DATE BEGIN</u>	<u>STUDENTS</u>			<u>ACTIVITY DESTINATION</u>
		<u>OFF</u>	<u>ENL</u>	<u>CIV</u>	
MTU-4030, 66069	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
MTU-4032, 66046	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
MTU-4033, 66065	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
MTU 4034, VMAT-203 FREST, 45483	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
MTU-4035, 66058	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable
NATTC AO "A" School, 63082	FY02		TBD	TBD	Input
			TBD	TBD	AOB
			TBD	TBD	Chargeable

NOTE: As updated information on initial training becomes available it will be incorporated into this NTSP.

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET⁸

LOCATION, UIC: NS Mayport, 66069

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY **STUDENT CATEGORY:** ACDU-TAR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	8.0	0	7.0	0	1.0	0	1.0	0	1.0	ATIR
0	7.0	0	6.0	0	1.0	0	1.0	0	1.0	Output
0	0.8	0	0.7	0	0.1	0	0.1	0	0.1	AOB
0	0.8	0	0.7	0	0.1	0	0.1	0	0.1	Chargeable

TRAINING ACTIVITY: MTU-4032 NAMTRAGRUDET

LOCATION, UIC: NAS Norfolk, 66046

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY **STUDENT CATEGORY:** ACDU-TAR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	47.0	0	49.0	0	49.0	0	49.0	0	49.0	ATIR
0	42.0	0	44.0	0	44.0	0	44.0	0	44.0	Output
0	4.9	0	5.1	0	5.1	0	5.1	0	5.1	AOB
0	4.9	0	5.1	0	5.1	0	5.1	0	5.1	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	1.0	0	0	0	0	0	1.0	0	0	ATIR
0	1.0	0	0	0	0	0	1.0	0	0	Output
0	0.1	0	0	0	0	0	0.1	0	0	AOB
0	0.0	0	0	0	0	0	0.0	0	0	Chargeable

⁸ MTU 4030 NAMTRAGRUDET will begin to transfer functions to MTU 4035 NAMTRAGRUDET in FY99.

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU-4033 NAMTRAGRU DET

LOCATION, UIC: NAS North Island, 66065

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY **STUDENT CATEGORY:** ACDU-TAR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	37.0	0	37.0	0	37.0	0	37.0	0	37.0	ATIR
0	33.0	0	33.0	0	33.0	0	33.0	0	33.0	Output
0	3.8	0	3.8	0	3.8	0	3.8	0	3.8	AOB
0	3.8	0	3.8	0	3.8	0	3.8	0	3.8	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	1.0	0	1.0	0	1.0	0	1.0	0	1.0	ATIR
0	1.0	0	1.0	0	1.0	0	1.0	0	1.0	Output
0	0.1	0	0.1	0	0.1	0	0.1	0	0.1	AOB
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Chargeable

TRAINING ACTIVITY: MTU-4034 VMAT-203 FREST

LOCATION, UIC: MCAS Cherry Point, 45483

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance

SOURCE: USMC **STUDENT CATEGORY:** AD - AR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	257	0	257	0	257	0	257	0	257	ATIR
0	257	0	257	0	257	0	257	0	257	Output
0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	AOB
0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	Chargeable

TRAINING ACTIVITY: MTU-4035 NAMTRAGRU DET⁸

LOCATION, UIC: NAS Whidbey Island, 66058

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY **STUDENT CATEGORY:** ACDU-TAR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	0	0	1.0	0	7.0	0	8.0	0	8.0	ATIR
0	0	0	1.0	0	6.0	0	7.0	0	7.0	Output
0	0	0	0.1	0	0.7	0	0.8	0	0.8	AOB
0	0	0	0.1	0	0.7	0	0.8	0	0.8	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the AIM-9X and, therefore, are not included in this NTSP.

IV.C. Facility Requirements

IV.A. TRAINING HARDWARE

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: NATTC, AO "A" School
LOCATION, UIC: NAS Pensacola, 63082
CIN, COURSE TITLE: C-646-2011, Aviation Ordnanceman Common Core Class A1
 C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
 C-646-2013, Aviation Ordnanceman Weapons Department Strand Class A1

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	AUR Container	TBD	1	TBD	GFE	On Contract ⁹

TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET
LOCATION, UIC: NS Mayport, 66069
CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	AUR Container	TBD	1	TBD	GFE	On Contract ⁹

TRAINING ACTIVITY: MTU-4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	AUR Container	TBD	1	TBD	GFE	On Contract ⁹

TRAINING ACTIVITY: MTU-4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	AUR Container	TBD	1	TBD	GFE	On Contract ⁹

TRAINING ACTIVITY: MTU-4034 VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point, 57081
CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	AUR Container	TBD	1	TBD	GFE	On Contract ⁹

⁹ Dependent upon exercise of LRIP options and award of Production Contract.

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: MTU-4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE 001	AUR Container	TBD	1	TBD	GFE	On Contract ⁹

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, CATM-9X

DESCRIPTION OF DEVICE: The CATM is a captive flight training missile permitting realistic exercise of the AIM-9X seeker. Airborne operation of the CATM provides the operator all interaction between aircraft and missile without expending the missile.

MANUFACTURER: RMSC (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-rate Production contract award)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-rate Production contract award)

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
VFA-106 NAS Cecil Field, 09679	20	FY02	FY03	On contract ⁹	D-2A-0601 D-2A-0602 D-2A-0604 D-2A-0606
VFA-125 NAS Lemoore, 09485	20	FY02	FY03	On contract ⁹	E-2A-0601 E-2A-0602 E-2A-0604 E-2A-0606
VMFAT-101 MCAS Miramar, 09965	20	FY02	FY03	On contract ⁹	M13P4B3 M13P3V3 M13P3W3 M13P4C3 M13P3R3 M13P3S3
Strike Fighter Weapons School Atlantic NAS Cecil Field, 40784	10	FY02	FY03	On contract ⁹	SFARP SFWE D-646-0640 D-646-0647
Strike Fighter Weapons School Pacific NAS Lemoore, 35185	10	FY02	FY03	On contract ⁹	SFARP SFWE E-646-0640 E-646-0647
Naval Strike and Air Warfare Center N7 (Topgun) NAS Fallon, 69190	10	FY02	FY03	On contract ⁹	SFTP SFTI
MAWTS 1, MCAS Yuma, 55167	10	FY02	FY03	On contract ⁹	ACTI/ACMI/ DEFTACI/WTI
VFA-22, NAS Lemoore, 09561	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-25, NAS Lemoore, 09637	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-94, NAS Lemoore, 09295	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-97, NAS Lemoore, 63923	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-113, NAS Lemoore, 09092	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-115, NAS Lemoore, 09604	10	FY03	FY03	On contract ⁹	T&R/SFTP

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, CATM-9X

DESCRIPTION OF DEVICE: The CATM is a captive flight training missile permitting realistic exercise of the AIM-9X seeker. Airborne operation of the CATM provides the operator all interaction between aircraft and missile without expending the missile.

MANUFACTURER: RMSC (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-rate Production contract award)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-rate Production contract award)

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
VFA-137, NAS Lemoore, 55142	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-146, NAS Lemoore, 09063	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-147, NAS Lemoore, 63925	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-151, NAS Lemoore, 09558	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-27, NAS Yokosuka, 65185	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-154, NAS Yokosuka, 09678	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-192, NAS Yokosuka, 55179	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-195, NAS Yokosuka, 09706	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-127, NAS Fallon, 08956	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFC-13 (TAR), NAS Fallon, 52995	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-15, NAS Cecil Field, 09015	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-34, NAS Cecil Field, 09070	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-37, NAS Cecil Field, 09478	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-81, NAS Cecil Field, 09221	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-82, NAS Cecil Field, 09122	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-83, NAS Cecil Field, 09223	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-86, NAS Cecil Field, 09943	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-87, NAS Cecil Field, 63922	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-105, NAS Cecil Field, 65183	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-131, NAS Cecil Field, 63934	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-136, NAS Cecil Field, 55141	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFC-12 (TAR), NAS Oceana, 52994	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-203 (TAR), NAS Atlanta, 09030	10	FY03	FY03	On contract ⁹	T&R/SFTP
VFA-204 (TAR), NAS JRB New Orleans, 09032	10	FY03	FY03	On contract ⁹	T&R/SFTP
VX-1, NAS Patuxent River, 55600	10	FY02	FY03	On contract ⁹	T&R/SFTP
VX-9, NAWCWD China Lake, 55646	10	FY02	FY03	On contract ⁹	T&R/SFTP
VX-9 Det, NAWCWD Point Mugu, 09830	10	FY02	FY03	On contract ⁹	T&R/SFTP
NAVWPNTSTRON China Lake, 39787	10	FY02	FY03	On contract ⁹	T&R/SFTP

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, CATM-9X

DESCRIPTION OF DEVICE: The CATM is a captive flight training missile permitting realistic exercise of the AIM-9X seeker. Airborne operation of the CATM provides the operator all interaction between aircraft and missile without expending the missile.

MANUFACTURER: RMSC (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-rate Production contract award)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-rate Production contract award)

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
NAVWPNTSTRON Point Mugu, 39788	10	FY02	FY03	On contract ⁹	T&R/SFTP
NAVSTKAIRSTRON, NAS Patuxent River, 39783	10	FY02	FY03	On contract ⁹	T&R/SFTP
VMFA-115, MCAS Beaufort, 09234	10	FY03	FY03	On contract ⁹	T&R
VMFA-122, MCAS Beaufort, 09407	10	FY03	FY03	On contract ⁹	T&R
VMFA-251, MCAS Beaufort, 09241	10	FY03	FY03	On contract ⁹	T&R
VMFA-312, MCAS Beaufort, 09253	10	FY03	FY03	On contract ⁹	T&R
VMFA-451, MCAS Beaufort, 09239	10	FY03	FY03	On contract ⁹	T&R
VMFAAW-224, MCAS Beaufort, 01224	10	FY03	FY03	On contract ⁹	T&R
VMFAAW-332, MCAS Beaufort, 09501	10	FY03	FY03	On contract ⁹	T&R
VMFAAW-533, MCAS Beaufort, 09193	10	FY03	FY03	On contract ⁹	T&R
VMFA-212, MCAS Miramar, 09434	10	FY03	FY03	On contract ⁹	T&R
VMFA-232, MCAS Miramar, 09242	10	FY03	FY03	On contract ⁹	T&R
VMFA-235, , MCAS Miramar, 09237	10	FY03	FY03	On contract ⁹	T&R
VMFA-314, MCAS Miramar, 09230	10	FY03	FY03	On contract ⁹	T&R
VMFA-323, MCAS Miramar, 09235	10	FY03	FY03	On contract ⁹	T&R
VMFAAW-121, MCAS Miramar,	10	FY03	FY03	On contract ⁹	T&R
VMFAAW-225, MCAS Miramar, 09232	10	FY03	FY03	On contract ⁹	T&R
VMFA-112 (AR), 08954	10	FY03	FY03	On contract ⁹	T&R
VMFA-134 (AR), 09365	10	FY03	FY03	On contract ⁹	T&R
VMFA-142 (AR), 67243	10	FY03	FY03	On contract ⁹	T&R
VMFA-321 (AR), 67235	10	FY03	FY03	On contract ⁹	T&R
TOTAL:	650				

IV.A.2. TRAINING DEVICES

DEVICE: Dummy Air Training Missile, DATM-9X

DESCRIPTION OF DEVICE: The DATM is physically representative of the AIM-9X. It is a training device to facilitate instruction and familiarization for transporting, handling, loading, and visual inspection procedures for organizational- and intermediate-level training purposes. The DATM is not certified for flight, and is designed for ground training use only.

MANUFACTURER: RMSC (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-rate Production contract award)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP options Lots I, II, and III and additional Full-rate Production contract award)

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
MTU-1039, NAMTRAGRUDET NAS Cecil Field, 66050	4	FY02	FY03	On contract ⁹	C-646-9973 C-646-9974
MTU-1038, NAMTRAGRUDET NAS Lemoore, 66060	4	FY02	FY03	On contract ⁹	C-646-9973 C-646-9974
MTU-4030, NAMTRAGRUDET NAS Mayport, 66069	2	FY02	FY03	On contract ⁹	C-122-3111
MTU-4032, NAMTRAGRUDET NAS Norfolk, 66046	2	FY02	FY03	On contract ⁹	C-122-3111
MTU-4033, NAMTRAGRUDET NAS North Island, 66065	2	FY02	FY03	On contract ⁹	C-122-3111
MTU-4034, VMAT-203, FREST MCAS Cherry Point, 45483	2	FY02	FY03	On contract ⁹	C-646-3105
MTU-4035, NAMTRAGRUDET NAS Whidbey Island, 66058	2	FY02	FY03	On contract ⁹	C-122-3111
NATTC, NAS Pensacola, 63082	2	FY02	FY03	On contract ⁹	C-6462011 C-6462012 C-646-2013
NAF Washington Andrews AFB, Maryland, 00166	2	FY03	FY03	On contract ⁹	F/A-18 Conventional Weapons Loading
NAS Atlanta Marietta, Georgia, 00196	2	FY03	FY03	On contract ⁹	F/A-18 Conventional Weapons Loading
NAS/Joint Reserve Base (JRB) New Orleans New Orleans, Louisiana, 00206	2	FY03	FY03	On contract ⁹	F/A-18 Conventional Weapons Loading
NAS/JRB Fort Worth Fort Worth, Texas, 00215	2	FY03	FY03	On contract ⁹	F/A-18 Conventional Weapons Loading
TOTAL:	28				

IV.A.2. TRAINING DEVICES

DEVICE: Practical Explosive Ordnance Disposal System Trainer (PEST)

DESCRIPTION OF DEVICE: The AIM-9X PEST is a full scale model fabricated from actual hardware, having approximately the same weight and center of gravity as the tactical missile. The PEST is used for teaching Rendering Safe Procedures.

MANUFACTURER: RMSC (contingent upon exercise of LRIP option Lot I)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP option Lot I)

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
NAVSCOLEOD DET Eglin AFB, 46207	1	FY02	FY03	On contract ⁹	A-431-0011 A-431-0012
EODTEU ONE NAS Barbers Point, 30202	1	FY02	FY03	On contract ⁹	G-431-0001
EODTEU TWO Fort Story, 43505	1	FY02	FY03	On contract ⁹	G-431-0001

DEVICE: Classroom Explosive Ordnance Disposal System Trainer (CEST)

DESCRIPTION OF DEVICE: The AIM-9X CEST is a full-scale, inert replica of the tactical AIM-9X with cut-away areas exposing the explosive train components. The CEST is used by EOD instructors to teach EOD personnel missile Rendering Safe Procedures.

MANUFACTURER: RMSC (contingent upon exercise of LRIP option Lot I)

CONTRACT NUMBER: N00019-97-C-0027 (contingent upon exercise of LRIP option Lot I)

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
NAVSCOLEOD DET Eglin AFB, 46207	1	FY02	FY03	On contract ⁹	A-431-0011 A-431-0012

IV.B. COURSEWARE REQUIREMENTS

IV.B.1 TRAINING SERVICES

<u>COURSE/TYPE OF TRAINING</u>	<u>SCHOOL/LOCATION/UIC</u>	<u>NO. OF PERSONNEL</u>	<u>MAN WEEKS REQUIRED</u>	<u>BEGIN DATE</u>
AIM-9X Aircrew Familiarization/ Initial (Instructor)	SFWSP/NAS Lemoore/35185	2	TBD	FY02
	VFA-125/NAS Lemoore/09485	2	TBD	FY02
	SFWSP/NAS Cecil Field/47084	2	TBD	FY02
	VFA-106/NAS Cecil Field/09679	2	TBD	FY02
AIM-9X Organizational Maintenance for the F/A-18C/D/ Initial (Instructor)	SFWSP/NAS Lemoore/35185	2	TBD	FY02
	MTU 1038/NAS Lemoore/66060	2	TBD	FY02
	SFWSP/NAS Cecil Field/47084	2	TBD	FY02
	MTU 1039/NAS Cecil Field/66050	2	TBD	FY02
	AO A1/NAS Pensacola/63082	2	TBD	FY02
AIM-9X Intermediate Maintenance/ Initial (Instructor)	MTU 4030/NS Mayport/66069	2	TBD	FY02
	MTU 4032/NAS Norfolk/66046	2	TBD	FY02
	MTU 4033/NAS North Island/66065	2	TBD	FY02
	MTU 4034 VMAT 203 FREST/ MCAS Cherry Point/45483	2	TBD	FY02
	MTU 4035/NAS Whidbey Island/ 66065	2	TBD	FY02
	AO A1/NAS Pensacola/63082	2	TBD	FY02

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field, 09679
CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
SFTS AIM-9X ICW	1 Set	FY03	Required

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, 09485
CIN, COURSE TITLE: E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
SFTS AIM-9X ICW	1 Set	FY03	Required

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: MCAS Miramar, 45526
CIN, COURSE TITLE: M13P4B3, F/A-18 Fleet Replacement Pilot Basic and Transition
 M13P3V3, F/A-18 Fleet Replacement Pilot Refresher
 M13P3W3, F/A-18 Fleet Replacement Pilot Modified Refresher
 M13P4C3, F/A-18 WSO Basic and Transition
 M13P3R3, F/A-18 WSO Refresher
 M13P3S3, F/A-18 WSO Modified Refresher

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
SFTS AIM-9X ICW	1 Set	FY03	Required

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Cecil Field, 40784
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter Weapons Employment (SFWE)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
SFTS AIM-9X ICW	1 Set	FY03	Required

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter Weapons Employment (SFWE)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
SFTS AIM-9X ICW	1 Set	FY03	Required

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: Naval Strike and Air Warfare Center N7 (Topgun)
LOCATION, UIC: NAS Fallon, 69190
CIN, COURSE TITLE: Strike Fighter Training Program (SFTP)
 Strike Fighter Tactics Instructor (SFTI)
 Strike Fighter Weapons and Tactics (SFWT)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
SFTS AIM-9X ICW	1 Set	FY03	Required

TRAINING ACTIVITY: MAWTS 1
LOCATION, UIC: MCAS Yuma, 55167
CIN, COURSE TITLE: Air Combat Maneuvering Instructor (ACMI)
 Air Combat Tactics Instructor (ACTI)
 Defensive Tactics Instructor (DEFTACI)
 Weapons and Tactics Instructor (WTI)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
SFTS AIM-9X ICW	1 Set	FY03	Required

TRAINING ACTIVITY: F/A-18 Squadrons
LOCATION, UIC: See Below

CIN, COURSE TITLE: Strike Fighter Training Program (SFTP) and Training & Readiness (T&R)

<u>TYPES OF MATERIAL OR AID:</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
SFTS AIM-9X ICW	1 Set	FY03	Required
VFA-22, NAS Lemoore, 09561	1 Set	FY03	Required
VFA-25, NAS Lemoore, 09637	1 Set	FY03	Required
VFA-94, NAS Lemoore, 09295	1 Set	FY03	Required
VFA-97, NAS Lemoore, 63923	1 Set	FY03	Required
VFA-113, NAS Lemoore, 09092	1 Set	FY03	Required
VFA-115, NAS Lemoore, 09604	1 Set	FY03	Required
VFA-137, NAS Lemoore, 55142	1 Set	FY03	Required
VFA-146, NAS Lemoore, 09063	1 Set	FY03	Required
VFA-147, NAS Lemoore, 63925	1 Set	FY03	Required
VFA-151, NAS Lemoore, 09558	1 Set	FY03	Required
VFA-27, NAS Yokosuka, 65185	1 Set	FY03	Required
VFA-154, NAS Yokosuka, 09678	1 Set	FY03	Required
VFA-192, NAS Yokosuka, 55179	1 Set	FY03	Required
VFA-195, NAS Yokosuka, 09706	1 Set	FY03	Required
VFA-127, NAS Fallon, 08956	1 Set	FY03	Required
VFC-13 (TAR), NAS Fallon, 52995	1 Set	FY03	Required
VFA-15, NAS Cecil Field, 09015	1 Set	FY03	Required
VFA-34, NAS Cecil Field, 09070	1 Set	FY03	Required

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons

LOCATION, UIC: See Below

CIN, COURSE TITLE: Strike Fighter Training Program (SFTP) and Training & Readiness (T&R)

<u>TYPES OF MATERIAL OR AID:</u>	<u>QUANT</u>	<u>DATE</u>	<u>STATUS</u>
	<u>REQD</u>	<u>REQD</u>	
SFTS AIM-9X ICW			
VFA-37, NAS Cecil Field, 09478	1 Set	FY03	Required
VFA-81, NAS Cecil Field, 09221	1 Set	FY03	Required
VFA-82, NAS Cecil Field, 09122	1 Set	FY03	Required
VFA-83, NAS Cecil Field, 09223	1 Set	FY03	Required
VFA-86, NAS Cecil Field, 09943	1 Set	FY03	Required
VFA-87, NAS Cecil Field, 63922	1 Set	FY03	Required
VFA-105, NAS Cecil Field, 65183	1 Set	FY03	Required
VFA-131, NAS Cecil Field, 63934	1 Set	FY03	Required
VFA-136, NAS Cecil Field, 55141	1 Set	FY03	Required
VFC-12 (TAR), NAS Oceana, 52994	1 Set	FY03	Required
VFA-203 (TAR), NAS Atlanta, 09030	1 Set	FY03	Required
VFA-204 (TAR), NAS JRB New Orleans, 09032	1 Set	FY03	Required
VX-1, NAS Patuxent River, 55600	1 Set	FY03	Required
VX-9, NAWCWD China Lake, 55646	1 Set	FY03	Required
VX-9 Det, NAWCWD Point Mugu, 09830	1 Set	FY03	Required

TRAINING ACTIVITY: F/A-18 Squadrons

LOCATION, UIC: See Below

CIN, COURSE TITLE: Squadron Training (T&R)

<u>TYPES OF MATERIAL OR AID:</u>	<u>QUANT</u>	<u>DATE</u>	<u>STATUS</u>
	<u>REQD</u>	<u>REQD</u>	
SFTS AIM-9X ICW			
VMFA-115, MCAS Beaufort, 09234	1 Set	FY03	Required
VMFA-122, MCAS Beaufort, 09407	1 Set	FY03	Required
VMFA-251, MCAS Beaufort, 09241	1 Set	FY03	Required
VMFA-312, MCAS Beaufort, 09253	1 Set	FY03	Required
VMFA-451, MCAS Beaufort, 09239	1 Set	FY03	Required
VMFAAW-224, MCAS Beaufort, 01224	1 Set	FY03	Required
VMFAAW-332, MCAS Beaufort, 09501	1 Set	FY03	Required
VMFAAW-533, MCAS Beaufort, 09193	1 Set	FY03	Required
VMFA-212, MCAS Miramar, 09434	1 Set	FY03	Required
VMFA-232, MCAS Miramar, 09242	1 Set	FY03	Required
VMFA-235, , MCAS Miramar, 09237	1 Set	FY03	Required
VMFA-314, MCAS Miramar, 09230	1 Set	FY03	Required
VMFA-323, MCAS Miramar, 09235	1 Set	FY03	Required

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons

LOCATION, UIC: See Below

CIN, COURSE TITLE: Squadron Training (T&R)

<u>TYPES OF MATERIAL OR AID:</u>	<u>QUANT</u>	<u>DATE</u>	<u>STATUS</u>
<u>SFTS AIM-9X ICW</u>	<u>REQD</u>	<u>REQD</u>	<u>REQD</u>
VMFAAW-121, MCAS Miramar,	1 Set	FY03	Required
VMFAAW-225, MCAS Miramar, 09232	1 Set	FY03	Required
VMFA-112 (AR), 08954	1 Set	FY03	Required
VMFA-134 (AR), 09365	1 Set	FY03	Required
VMFA-142 (AR), 67243	1 Set	FY03	Required
VMFA-321 (AR), 67235	1 Set	FY03	Required

TRAINING ACTIVITY: NATTC

LOCATION, UIC: NAS Pensacola, 63082

CIN, COURSE TITLE: C-646-2011, Aviation Ordnance Common Core Class A1
C-646-2012, Aviation Ordnance Airwing Strand Class A1
D-2A-0606, Aviation Ordnance Weapons Department Strand Class A1

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u>	<u>DATE</u>	<u>STATUS</u>
<u>AIM-9X Training Package</u>	<u>REQD</u>	<u>REQD</u>	<u>REQD</u>
AIM-9X Training Package	1 Set	FY03	Required

TRAINING ACTIVITY: MTU 1039 NAMTRAGRUDET

LOCATION, UIC: NAS Cecil Field, 66050

CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management System (Initial) Organizational Maintenance
C-646-9974, F/A-18 Stores Management System Organizational Maintenance (Career)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u>	<u>DATE</u>	<u>STATUS</u>
<u>AIM-9X Training Package</u>	<u>REQD</u>	<u>REQD</u>	<u>REQD</u>
AIM-9X Training Package	1 Set	FY03	Required

TRAINING ACTIVITY: MTU 1038 NAMTRAGRUDET

LOCATION, UIC: NAS Lemoore, 66060

CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management System (Initial) Organizational Maintenance
C-646-9974, F/A-18 Stores Management System Organizational Maintenance (Career)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u>	<u>DATE</u>	<u>STATUS</u>
<u>AIM-9X Training Package</u>	<u>REQD</u>	<u>REQD</u>	<u>REQD</u>
AIM-9X Training Package	1 Set	FY03	Required

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Cecil Field, 47084
CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading
D-646-0647, F/A-18 Conventional Release System Test

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
AIM-9X Training Package	1 Set	FY03	Required

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading
E-646-0647, F/A-18 Conventional Release System Test

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
AIM-9X Training Package	1 Set	FY03	Required

TRAINING ACTIVITY: MTU 4030 NAMTRAGRUDET
LOCATION, UIC: NS Mayport, 66069
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
AIM-9X Training Package	1 Set	FY03	Required

TRAINING ACTIVITY: MTU 4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
AIM-9X Training Package	1 Set	FY03	Required

TRAINING ACTIVITY: MTU 4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
AIM-9X Training Package	1 Set	FY03	Required

TRAINING ACTIVITY: MTU 4034 VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point , 45483
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT</u> <u>REQD</u>	<u>DATE</u> <u>REQD</u>	<u>STATUS</u>
AIM-9X Training Package	1 Set	FY03	Required

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-9X Training Package	1 Set	FY03	Required

TRAINING ACTIVITY: NAVSCOLEOD DET
LOCATION, UIC: Eglin AFB, 46207
CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy)
 A-431-0012, EOD Phase II

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-9X Source Data	1 Set	FY03	Required

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: NAS Barbers Point, 30202
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-9X Source Data	1 Set	FY03	Required

TRAINING ACTIVITY: EODTEU TWO
LOCATION, UIC: Fort Story, 43505
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-9X Source Data	1 Set	FY03	Required

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field, 09679
CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, 09485
CIN, COURSE TITLE: E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Cecil Field, 40784
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter weapons Employment (SFWE)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter weapons Employment (SFWE)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: MCAS Miramar, 45526
CIN, COURSE TITLE: M13P4B3, F/A-18 Fleet Replacement Pilot Basic and Transition
M13P3V3, F/A-18 Fleet Replacement Pilot Refresher
M13P3W3, F/A-18 Fleet Replacement Pilot Modified Refresher
M13P4C3, F/A-18 WSO Basic and Transition
M13P3R3, F/A-18 WSO Refresher
M13P3S3, F/A-18 WSO Modified Refresher

NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6	On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6	On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6	On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6	On board

TRAINING ACTIVITY: MAWTS 1
LOCATION, UIC: MCAS Yuma, 55167
CIN, COURSE TITLE: Air Combat Maneuvering Instructor (ACMI)
Air Combat Tactics Instructor (ACTI)
Defensive Tactics Instructor (DEFTACI)
Weapons and Tactics Instructor (WTI)

NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6	On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6	On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6	On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6	On board

TRAINING ACTIVITY: MTU 1039 NAMTRAGRUDET
LOCATION, UIC: NAS Cecil Field, 66050
CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management System (Initial) Organizational Maintenance
C-646-9974, F/A-18 Stores Management System Organizational Maintenance (Career)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Release & Control (Missiles), Air to Air A1-F18AE-LWS-210	Hard copy	8		On board
AIM-9/Sidewinder/TACTS/SAIP POD A1-F18AE-LWS-530	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 1038 NAMTRAGRUDET
LOCATION, UIC: NAS Lemoore, 66060
CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management System (Initial) Organizational Maintenance
 C-646-9974, F/A-18 Stores Management System Organizational Maintenance (Career)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Release & Control (Missiles), Air to Air A1-F18AE-LWS-210	Hard copy	8		On board
AIM-9/Sidewinder/TACTS/SAIP POD A1-F18AE-LWS-530	Hard copy	8		On board

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Cecil Field, 47084
CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading
 D-646-0647, F/A-18 Conventional Release System Test

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	10		On board
Release & Control (Missiles), Air to Air A1-F18AE-LWS-210	Hard copy	10		On board
AIM-9/Sidewinder/TACTS/SAIP POD A1-F18AE-LWS-530	Hard copy	8		On board

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading
 E-646-0647, F/A-18 Conventional Release System Test

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	10		On board
Release & Control (Missiles), Air to Air A1-F18AE-LWS-210	Hard copy	10		On board
AIM-9/Sidewinder/TACTS/SAIP POD A1-F18AE-LWS-530	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4030 NAMTRAGRUDET
LOCATION, UIC: NS Mayport, 66069
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9G/H/M and Training Missiles, NAVAIR 01-AIM9-2	Hard copy	8		Required *
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume I, NAVAIR 11-120A-1.1	Hard copy	8		On board
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume II, NAVAIR 11-120A-1.2	Hard copy	8		On board
Guided Missile, AIM-9 Sidewinder, Ship Weapon Installation Manual, NAVAIR 11-120-23	Hard copy	8		Required *
Airborne Weapons Handling Equipment (Shipboard), NAVAIR 19-100-2	Hard copy	8		On board
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard), NAVAIR 19-95-1	Hard copy	8		On board
Airborne Weapons Assembly Manual Air Launched Guided Missiles and Selected Vehicles Volume I Air Intercept Missiles (Tactical) Organizational and Intermediate Activities, NA 11-140-6.1	Hard copy	8		Required *

* Note: These currently reflect AIM-9M requirements and will be updated with AIM-9X data as information becomes available.

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9G/H/M and Training Missiles, NAVAIR 01-AIM9-2	Hard copy	8		Required *
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume I, NAVAIR 11-120A-1.1	Hard copy	8		On board
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume II, NAVAIR 11-120A-1.2	Hard copy	8		On board
Guided Missile, AIM-9 Sidewinder, Ship Weapon Installation Manual, NAVAIR 11-120-23	Hard copy	8		Required *
Airborne Weapons Handling Equipment (Shipboard), NAVAIR 19-100-2	Hard copy	8		On board
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard), NAVAIR 19-95-1	Hard copy	8		On board
Airborne Weapons Assembly Manual Air Launched Guided Missiles and Selected Vehicles Volume I Air Intercept Missiles (Tactical) Organizational and Intermediate Activities, NA 11-140-6.1	Hard copy	8		Required *

* Note: These currently reflect AIM-9M requirements and will be updated with AIM-9X data as information becomes available.

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9G/H/M and Training Missiles, NAVAIR 01-AIM9-2	Hard copy	8		Required *
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume I, NAVAIR 11-120A-1.1	Hard copy	8		On board
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume II, NAVAIR 11-120A-1.2	Hard copy	8		On board
Guided Missile, AIM-9 Sidewinder, Ship Weapon Installation Manual, NAVAIR 11-120-23	Hard copy	8		Required *
Airborne Weapons Handling Equipment (Shipboard), NAVAIR 19-100-2	Hard copy	8		On board
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard), NAVAIR 19-95-1	Hard copy	8		On board
Airborne Weapons Assembly Manual Air Launched Guided Missiles and Selected Vehicles Volume I Air Intercept Missiles (Tactical) Organizational and Intermediate Activities, NA 11-140-6.1	Hard copy	8		Required *

* Note: These currently reflect AIM-9M requirements and will be updated with AIM-9X data as information becomes available.

TRAINING ACTIVITY: MTU 4034 VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point , 45483
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9L/M and Training Missiles, NAVAIR 01-AIM9-2	Hard copy	8		Required *
Airborne Weapons Assembly Manual Air Launched Guided Missiles and Selected Vehicles Volume I Air Intercept Missiles (Tactical) Organizational and Intermediate Activities, NA 11-140-6.1	Hard copy	8		Required *

* Note: These currently reflect AIM-9M requirements and will be updated with AIM-9X data as information becomes available.

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4035 NAMTRAGRUDET
LOCATION, UIC: NAS Whidbey Island, 66058
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Organizational and Intermediate Maintenance with Illustrated Parts Breakdown, Sidewinder Guided Missile AIM-9G/H/M and Training Missiles, NAVAIR 01-AIM9-2	Hard copy	8		Required *
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume I, NAVAIR 11-120A-1.1	Hard copy	8		On board
Airborne Weapons Packaging/Handling/ Stowage (Shipboard) Volume II, NAVAIR 11-120A-1.2	Hard copy	8		On board
Guided Missile, AIM-9 Sidewinder, Ship Weapon Installation Manual, NAVAIR 11-120-23	Hard copy	8		Required *
Airborne Weapons Handling Equipment (Shipboard), NAVAIR 19-100-2	Hard copy	8		On board
Airborne Weapons/Stores Checklist, Transporting and Loading Equipment Configuration (Shipboard), NAVAIR 19-95-1	Hard copy	8		On board
Airborne Weapons Assembly Manual Air Launched Guided Missiles and Selected Vehicles Volume I Air Intercept Missiles (Tactical) Organizational and Intermediate Activities, NA 11-140-6.1	Hard copy	8		Required *

* Note: These currently reflect AIM-9M requirements and will be updated with AIM-9X data as information becomes available.

TRAINING ACTIVITY: NAVSCOLEOD DET
LOCATION, UIC: Eglin AFB, 46207
CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy)
A-431-0012, EOD Phase II

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	150		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: NAS Barbers Point, 30202
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	4		On board

TRAINING ACTIVITY: EODTEU TWO
LOCATION, UIC: Fort Story, 43505
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	4		On board

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PMA205	Commence analysis of manpower personnel and training requirements (HARDMAN)	May 93	Completed
PMA205	Prepare Human Systems Integration Plan for AIM-9X	July 94	Completed
PMA205	Promulgate Draft NTSP	Dec 96	Completed
AIR-3.1.1L	Promulgated Draft ILSP	July 97	Completed
PMA205	Promulgate Approved NTSP	May 98	Completed
AIR-3.1.1L	Promulgated Approved ALSP	July 98	
RMSC	Provide DT-IIB Training	July 98	
RMSC	Provide DT-IID/OT-IIA Training	July 99	
NAVWPNTSTRON	Commence TECHEVAL (DT-IID)	July 99	
RMSC	Provide OT-IIB Training	July 00	
OPTEVFOR/VX-9	Commence OPEVAL (OT-IIB)	FY01	
PMA205-3J/RMSC	Technical Training Equipment delivery	FY01	
PMA205-3J/RMSC	Training Device delivery	FY01	
PMA205-3J	Curricula material delivery	FY02	
AIR-3.1.1L/RMSC	Technical Manuals delivery	FY02	
PMA205-3J	Commence Initial Training	FY02	
AIR-3.1.1L	Material Support Date (MSD) attained	FY02	
PMA259/AIR-3.1.1L	Fleet Introduction	FY02	
CNET/NSAWC/MCCDC	Commence Follow-on Training	FY03	
AIR-3.1.1L	Navy Support Date (NSD) attained	FY03	

PART VI - ACTION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
Waive requirement for MPT Advisory Board and incorporate HARDMAN analysis data directly into Preliminary Draft NTSP	OPNAV N889H	July 93	Closed - waiver granted
Identify squadron proficiency training requirements, e.g., CATM and ICW, in Preliminary Draft NTSP	PMA205-5F	Dec 96	Closed
Coordinate/integrate development of AIM-9X aircrew training with JHMCS training to the fullest extent possible	PMA205-3J	Feb 98	Open
Track status of AIM-9X maintenance concept for switch to shipboard BIT and reprogramming of AIM-9X assets using CMBRE	PMA205-3J	March 98	Open

PART VII - POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	PHONE: NUMBER COMMERCIAL/DSN, FAX: COMMERCIAL/DSN, INTERNET ADDRESS
CDR J. O. Stutz CNO N880C7	OPNAV Resource Sponsor	(703) 695-1841, DSN 225 (703) 693-8823, DSN 223 (fax) stutz.james@hq.navy.mil
MAJ R. Rowland CNO N881C8	Naval Airborne Weapons Maintenance Program Officer	(703) 604-7773, DSN 664 (703) 604-6977 (fax) rowland.raymond@hq.navy.mil
CAPT F. J. Smith CNO N889H	Aviation Technical Training	(703) 604-7730, DSN 664 (703) 604-6939 (fax) smith.frank@hq.navy.mil
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AZC S. Dean CNO N889H7	NTSP Manager	(703) 604-7714, DSN 664 (703) 604-6939(fax) dean.scot@hq.navy.mil
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